USER MANUAL

Samsung Stratosphere™

a GALAXY S™ phone

verizon 4G LTE CERTIFIED

Samsung Stratosphere™

a GALAXY S™ phone

ALL DIGITAL

ANDROID SMARTPHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Samsung Telecommunications America (STA), LLC

Headquarters:	Customer Care Center:
1301 E. Lookout Drive	1000 Klein Rd.
Richardson, TX 75082	Plano, TX 75074
Toll Free Tel:	1.888.987.HELP (4357)

Internet Address: http://www.samsungusa.com

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Section 1: Getting Started

This section helps you to quickly start using your phone.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 175.

Also included is important safety information beginning on page 143, that you should know before using your phone.

This manual gives navigation instructions according to the default settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone. For more information, see *"Securing Your Phone"* on page 15.

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature or menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

→ Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures. For example:

"From the Home screen, press the **Menu Key**, then touch **Settings** → **Wireless & networks** → **Wi-Fi settings**."

SIM Card

Your phone uses a 4G LTE SIM (Subscriber Identity Module). The 4G LTE SIM is a small, rectangular plastic card that stores your phone number, information about your wireless service, and other information such as messages and contacts.

If you purchased your phone at a Verizon Wireless store, the SIM card is activated and ready to use. If you ordered a new phone, the card may need to be activated before you can use it. For more information about activating the SIM card, visit:

http://www.verizonwireless.com/4GSIM.

Caution!: Do not bend or scratch the SIM card. Take care when handling, installing, or removing the SIM card, and avoid exposing the SIM card to static electricity, water, or dirt. Keep the SIM card out of reach of small children.

Installing the 4G LTE SIM Card

The SIM card is installed under the battery cover, and must remain in the device when in use.

Important!: Turn the phone off before installing or removing the SIM card. To turn the phone off, press and hold the Power/Lock Key to display Phone options, then select Power Off.

- Carefully insert the 4G LTE SIM Card into the slot, with the Verizon Wireless logo facing up.

Removing the 4G LTE SIM Card

Important!: Turn the phone off before installing or removing the SIM card. To turn the phone off, press and hold the Power/Lock Key to display Phone options, then select Power Off.

- Carefully slide the 4G LTE SIM Card out of the slot.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) are included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

Warning!: Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

The battery icon in the Status Bar shows battery power level. Before the battery becomes too low to operate, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging, the phone will power off.

Tip: For information settings you can configure to extend battery life, see *"Power saving mode"* on page 121.

For helpful information about conserving battery power, see *"Power saving tips"* on page 121.

Non-Supported Batteries

Samsung phones do not support non-approved batteries. Samsung charging accessories, such as the Wall/USB Charger, will only charge approved batteries. If you install a non-approved battery and try to charge it, the phone will beep and display the message:

"**NON-SUPPORTED BATTERY. SEE USER MANUAL**"

If you receive this warning, battery charging is disabled.

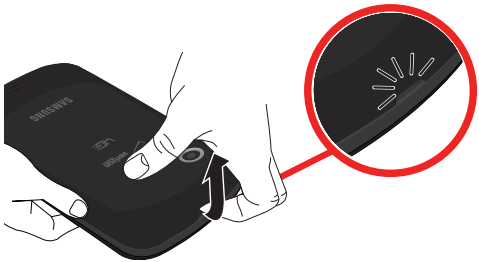
Warning!: Using a non-approved battery may damage your phone.

Battery Cover

The battery is under a removable cover on the back of the phone.

Removing the battery cover

- ▶ Pull up using the slot provided, while lifting the cover off the phone.



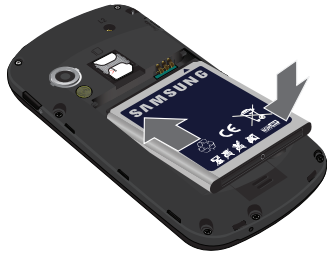
Installing the battery cover

- ▶ Align the cover at the bottom and press it firmly into place, making sure it snaps into place at the sides and top.

Installing and Removing the Battery

Installing the battery

1. Remove the battery cover.
2. Insert the battery into the phone, aligning the gold contacts on the battery with the gold contacts in the phone.
3. Replace the battery cover.



Removing the Battery

1. Remove the battery cover.
2. Lift the battery out of the phone, using the slot provided.
3. Replace the battery cover.

Charging the Battery

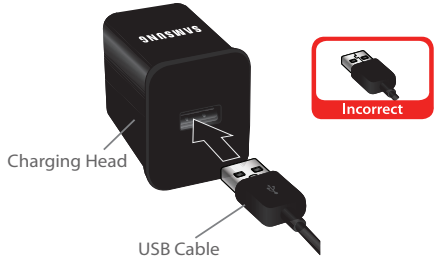
Your phone comes with a Wall/USB Charger (Charging Head and USB cable) to charge your phone from any 110/220 VAC outlet.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time.

After the first charge, you can use the phone while charging.

- Insert the USB cable into the port.

4. Connect the USB cable to the charging head.



5. Plug the charging head into a standard AC power outlet.
6. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the phone.

Turning Your Phone On and Off

Turning Your Phone On

- Press and hold the **Power/Lock Key** for a few seconds, until the start-up sequence begins.

  While powering on, the phone connects with the network, then displays the Home screen and active alerts.

Note: Your phone's internal antenna is located along the back of the phone, at the top and bottom. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than is necessary.

Turning Your Phone Off

1. Press and hold the **Power/Lock Key** until the Phone options menu appears.
2. At the Phone options menu, select **Power off**.

Setup Wizard

The first time you turn your phone on, the Setup Wizard will prompt you to customize your phone. Follow the prompts to set:

1. **Language**: Choose a language for your phone's operations.
2. **Phone activation**: Setup Wizard checks your phone's status.
3. **Backup Assistant**: Save your contacts to a secure web site. For more information, see *"Backup Assistant"* on page 53.
4. **Google account setup**: Sign in to your Google account, or create a new account, and set up backup and restore settings for your Google account. For more information, see *"Adding an account"* on page 43.
5. **Account setup**: Configure access to your social networking or email accounts. For more information, see *"Accounts"* on page 42.
6. **Privacy and location settings**: Learn about protecting your privacy when using your phone, and configure location settings. For more information, see *"Location & security"* on page 122.
7. **Learn more**: Learn more about your new phone, and access My Verizon Mobile for information about your account.

Displaying Your Phone Number

▶ From the Home screen, press the **Menu Key**, then touch **Settings** → **About phone** → **Status**.

Your phone number displays under **Phone number**.

Your Google Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Talk and Android Market. When you turn on your phone for the first time, set up a connection with your existing Google account, or create a new Google account.

To create a Google account, or set up your Google account on your phone, use Accounts & sync settings (see *"Accounts & sync"* on page 130.)

Guided Tours

View videos about using your phone.

Tip: Guided Tours is available as a shortcut from the Home screen. For information about shortcuts, see *"Shortcuts"* on page 28.

- Scroll the Home screen panels to find and select the **Guided Tours** shortcut.

  – or –

  From the Home screen, touch **Applications** → **Guided Tours**.

Voice Mail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

For more information, see *"Voice Mail"* on page 67.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

For more information, see *"TTY Mode"* on page 115.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the △ Roaming icon appears in the Status Bar of the display.

Tip: You can set your phone's roaming behavior. For more information, see *"Mobile networks"* on page 113.

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls. Contact Verizon Wireless for more information about your coverage area and service plan.

Task Manager

Your phone can run applications simultaneously, with some applications running in the background.

Use Task Manager to see which applications are running on your phone, and to end running applications to extend battery life. You can also uninstall applications from your phone and see how much memory is used by applications.

Task Manager provides information about applications, including:

- **Active applications**: View and exit running applications.
- **Downloaded**: View and manage applications you've downloaded.
- **RAM**: View and manage Random Access Memory on your device.
- **Storage**: View usage for the phone's internal storage and SD card.
- **Help**: Useful tips for extending battery life.

1. From any screen, press and hold the **Home Key**, then select **Task Manager**.

   – or –

   From the Home screen, touch **Applications** ➔ **Task Manager**.

Tip: You can also access Task Manager from the **Program Monitor** widget. For more information, see *"Widgets"* on page 29.

2. Touch the **Active applications** tab to view applications running on your phone. Touch **Exit**, or **Exit all** to close applications.
3. Touch the **Downloaded** tab to view information about applications you've installed on your phone. Touch **Uninstall** to remove an application from your phone.
4. Touch the **RAM** tab to display the amount of RAM (Random Access Memory) in use. Touch **Clear Memory** to clear processes to increase available RAM.
5. Touch the **Storage** tab for Internal phone storage and External SD card memory statistics.
6. Touch the **Help** tab for tips for extending battery life.

Tip: Touch and drag your finger on the tabs to scroll the tabs.

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 32GB capacity, for storage of music, pictures, and other files.

Note: You can only store music files that you own (from a CD or purchased with the phone) on a memory card.

Important!: To prevent damage to information stored on the memory card, always unmount the card before removing it from the phone.

Installing a Memory Card

1. Remove the battery cover.
2. With the gold contacts facing down, slide the memory card into the slot, pushing gently until it clicks into place.
3. Install the battery cover.

Removing a Memory Card

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **SD card & phone storage** → **Unmount SD card**.
2. At the prompt, read the warning and select **OK** to continue. Wait for the **SD card removed** icon to appear in the Status bar and Notification panel.
3. Remove the battery cover.
4. Gently press on the memory card, then release so that it pops out from the slot, and carefully pull the card out.
5. Install the battery cover.

Tip: For information about removing and installing the battery cover, see *"Battery Cover"* on page 8.

Securing Your Phone

Use your phone's screen lock features to secure your phone.

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

To choose a default unlock screen, use the Unlock screen option under Display settings. For more information, see *"Unlock screen"* on page 120.

To set a personal screen lock, use the Set screen lock option under Location & security settings. For more information, see *"Screen unlock settings"* on page 124.

Tip: When the phone is locked with a personal lock screen, the Emergency call feature is available on the lock screen, to allow you to make emergency calls even while the phone is locked.

For other settings related to securing your phone, see *"Location & security"* on page 122.

Locking the phone

- By default, the phone locks automatically when the screen times out.

  – or –

  Lock the phone by pressing the **Power/Lock Key**.

Unlocking the phone

Unlock the phone using one of the default unlock screens, or for increased security, use a personal screen lock PIN, password, or pattern.

- Press the **Power/Lock Key**, then touch and drag the puzzle piece to fit the empty space.

Tip: On the default puzzle lock screen, special puzzle pieces display for missed calls or new messages. Drag a missed call or message puzzle piece to the empty space to view the message or call log.

Features

- 4-inch 800x480 Super AMOLED touch screen
- CDMA 1X/EVDO Rev-A /LTE Wireless Technology
- Android® 2.3 platform
- Google® applications, including Google Talk® and Gmail®
- Android Market®, plus pre-loaded applications
- Connections
  - Wi-Fi® 802.11 a/b/g/n
  - Mobile Hotspot
  - Bluetooth 3.0
  - Tethering
  - VPN
- Messaging Services
  - Text Messaging
  - Picture Messaging
  - Video Messaging
  - Voice Messaging
  - Email
  - Mobile Instant Messenger (IM)
  - Chat
- 5 Megapixel CMOS Camera/Camcorder + 1.3 Megapixel Front camera
- Picture Gallery
- Video Player
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- Music Player
- Speakerphone
- Support for microSD™ and microSDHC™ Memory Cards up to 32GB capacity
- Bluetooth® 3.0 Wireless Technology. For more information about supported profiles, see *"Bluetooth profiles"* on page 110.

Front View - Closed

1. **Earpiece**: Use during calls to listen to callers.
2. **Proximity and Light Sensors**: Detects the presence of nearby objects to control screen display, such when you hold the phone to your ear during a phone call. Detects ambient light to determine screen brightness when the Automatic brightness setting is enabled, and when taking pictures with the Front camera.
3. **1.3 Megapixel Front Camera**: Use for taking pictures and recording video.
4. **Search Key**: Press to launch Google Search, to search your device or the web.
5. **Back Key**: Press to return to the previous screen or option.
6. **Home Key**: Press to display the Home screen. Press and hold to display recent applications or launch Task Manager.
7. **Menu Key**: Press to display options for the current screen.

Front View - Open

1. **Menu Key**: Press to display options for the current screen.
2. **Home Key**: Press to display the Home screen. Press and hold to display recent applications or launch Task Manager.
3. **Function Key**: Press to switch to symbol mode, to enter characters shown in orange on the keys.
4. **New Message Key**: Press to create a new message.
5. **Browser Key**: Press to launch the Browser.
6. **Directional Keys**: Press to navigate menus and items on the screen.
7. **Back Key**: Press to return to the previous screen or option.
8. **Search Key**: Press to launch Google Search, to search your device or the web.

Side Views

1. **Strap holder**: Attach an optional carrying strap (not included).
2. **Volume Key**: From the Home screen, press to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.
3. **Power / Lock Key**: Press and hold to turn the phone on or off. Press to lock the phone, or to wake the screen for unlocking.

Back View

1. **3.5mm Headset Jack**: Plug in an optional headset or TTY equipment.
2. **5 Megapixel Camera Lens**: Used when taking photos or recording videos.
3. **Camera Flash**: Used when taking photos.
4. **Microphone**: Use during calls to allow callers to hear your voice, and when recording.
5. **USB / Power / Accessory Port**: Connect a USB cable for charging or to sync music and files.
6. **External Speaker**: Plays ringtones, call audio when in Speakerphone mode, music and other sounds.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning!: Please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, see *"Warranty Information"* on page 165.

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for many on-screen items. To access context-sensitive menus:

- Press the **Menu Key**.
- Touch and hold on an item.

QWERTY Directional Keys

On the QWERTY keyboard, use the **Directional Keys** to scroll lists or items on the screen.

QWERTY Command Keys

Message Key

Press the **Message Key** to create a new message.

Browser Key

Press the **Browser Key** to launch the Browser.

Command Keys

Command Keys are found on the front of the phone, and on the slide-out QWERTY keyboard. You can use either set of command keys to navigate your phone in the open or closed position.

Menu Key

Press the **Menu Key** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press the **Home Key** to display the Home screen.

Press and hold the **Home Key** to launch a menu of recent applications, or to launch Task Manager.

Back Key

Press the **Back Key** to return to the previous screen, option or step.

Search Key

Press the **Search Key** to launch Google Search, to search the web and your phone. You can customize Google Search in Search settings. For more information, see *"Search"* on page 134.

On the QWERTY keyboard, you can use Quick launch shortcuts to launch favorite applications. Press and hold the **Search Key**, then press a letter or number. For more information, see *"Quick launch"* on page 127.

Finger Gestures

Touch

Touch items to select or launch them. For example:

- Touch the on screen keyboard to enter characters or text.
- Touch an item to select it.
- Touch an application's icon to launch the application.

Touch and Hold

Activate onscreen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Flick or drag

Flick or slide your finger vertically or horizontally across the screen. For example:

- Unlocking the screen
- Scrolling the Home screen or a menu

Pinch

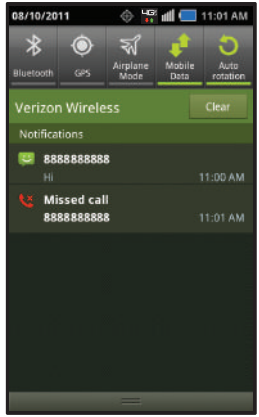
Using two fingers, make a pinch motion on the screen. For example:

- Pinch in to zoom in on pictures or screens.
- Pinch out to zoom out on pictures or screens.

Notification Panel

The Notification Panel shows information about connections, messages and other items.

▶ Drag your finger downward from the top of the screen.



Connection Icons

Touch icons at the top of the Notifications panel to toggle settings:

- **Bluetooth**: Turn Bluetooth on or off.
- **GPS**: Turn Standalone GPS services on or off.
- **Airplane Mode**: Turn airplane mode on or off.
- **Mobile data**: Activate or deactivate your phone's access to the mobile data network.
- **Auto rotation**: Enable or disable the Auto rotation setting, to control whether the screen automatically updates when you rotate the phone.

For more information about Connection settings, For more information, refer to *"Wireless & networks"* on page 106.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display the Notifications Panel.
2. Touch a notification to clear it.

   – or –

   Touch **Clear** to clear all notifications

Home Screen

The Home screen is the starting point for using your phone.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

1. **Status Bar**: Presents icons to show network status, battery power, and connection details. For a list of icons, see *"Status Bar"* on page 26.
2. **Home screen**: The starting point for using your phone. Place icons, widgets and other items to customize your phone to your needs. For more information, see *"Home Screen"* on page 24.
3. **Primary Shortcuts**: Shortcuts to your phone's common features. For more information, see *"Primary Shortcuts"* on page 27.
4. **Shortcuts**: Shortcuts to common applications.These shortcuts are found on the Home screen by default. For more information, see *"Shortcuts"* on page 28.
5. **Widgets**: Applications that run on the Home screen. These widgets are found on the Home screen by default. For more information, see *"Widgets"* on page 29.

Display settings

You can customize display settings to your preferences. For more information, see *"Display settings"* on page 119.

Extended Home Screen

The Home screen consists of the Home panel, plus 4 panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.

Customizing the Home Screen

Customize the Home screen to suit your preferences.

- **Add Shortcuts**: For more information, see *"Shortcuts"* on page 28.
- **Add Widgets**: For more information, see *"Widgets"* on page 29.
- **Add Folders**: For more information, see *"Folders"* on page 30.
- **Change the Wallpaper**: For more information, see *"Wallpaper"* on page 31.

Adding and removing Home screen panels

Your phone comes with 5 Home screen panels. You can customize the Home screen to include up to the five default panels, and set one panel as Home.

1. From the Home screen, press the **Menu Key**, then touch **Edit page**.
2. Sweep your finger across the screen to scroll the panels, and use these controls to configure panels:

   Remove: Touch and hold on a panel, then drag it to **Remove**.

   Add: Touch a previously-removed panel to add it, up to the default total of five.

   Set home **Set as Home**: Touch to assign a panel as the Home screen. The panel set as Home will display when you press the **Home Key**.

Tip: You can also "pinch" the Home screen to display Edit options.

Status Bar

The Status Bar shows network and battery status and other details.

Airplane Mode Active: All wireless communications are disabled. See “Airplane mode” on page 111.

USB Connected: The phone is connected to a computer using a USB cable.

System Alert: Check Notifications panel for alerts.

Voice Call: A voice call is in progress.

Speakerphone: Speakerphone is enabled.

Missed Call: Displays when there is a missed call.

Battery Level: Shown fully charged.

Battery Charging: Battery is charging.

Battery Critical: Battery has only three percent power remaining. Charge immediately.

GPS E911 Only: E911 location is active (cannot be turned off). See “E911” on page 122.

GPS Location Active: One or more GPS location services are active. See “My Location” on page 122.

3G connection: Phone is active on a 3G system.

4G LTE Connection: Phone is active on a 4G LTE system.

Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.

New Text or Multimedia Message: You have new message(s).

New Voicemail: You have new voicemail. A number indicates the number of new messages.

Silent mode: All sounds except media and alarms are silenced, and Vibrate is not active. See “Silent mode” on page 115.

Vibrate: All sounds are silenced, and Vibrate is active. See “Vibrate” on page 116.

SD Card Removed: A memory card was uninstalled.

Bluetooth Active: Bluetooth is turned on.

TTY: TTY Mode is active.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display.

Note: When you access **Applications**, the **Home** shortcut replaces the **Applications** shortcut to provide quick return to the Home screen.

- **Phone**: Launches the Phone, to make calls. For more information, see *"Making Calls"* on page 36.
- **Contacts**: Store and manage your contacts. For more information, see *"Contacts"* on page 44.
- **Messaging**: Send and receive messages. For more information, see *"Messaging"* on page 61.
- **Applications**: Access your phone's applications. For more information, see *"Applications"* on page 31.

Editing the Primary Shortcuts

You can exchange the primary shortcuts with shortcuts to other applications, except for the **Applications** / **Home** shortcut.

1. From the Home screen, touch **Applications**.
2. Press the **Menu Key**, then touch **Edit**.
3. Touch and hold an icon, then drag it to replace a primary shortcut.
4. When you are finished, press the **Menu Key**, then touch **Save**.

Shortcuts

Use Shortcuts for quick access to applications or features.

Adding Shortcuts from the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Shortcuts**, then touch a selection, and follow the prompts to configure the Shortcut and add it to the Home screen.

Adding Shortcuts from Applications

1. Navigate to a Home screen panel.
2. Touch **Applications**.
3. Touch and hold on an application icon. The Shortcut icon is automatically placed on the selected Home screen.

Removing Shortcuts

- Touch and hold the Shortcut until **Remove** appears, then drag the Shortcut to the Remove icon.

Shortcuts

Applications: Choose an application to launch from the Home screen.

Bookmark: Launch a bookmarked web page. Choose from bookmarks in Browser.

Contact: Choose a contact, to view, call or send a message to a contact, right from the Home screen.

Direct dial: Choose a contact, to automatically call the contact from the Home screen.

Direct message: Choose a contact, to automatically send a message from the Home screen.

Directions & Navigation: Create a shortcut to a location you specify, to get Google directions and navigation, right from the Home screen.

Email: Access an email account from the Home screen (available if an Email account is set up on your phone).

Gmail label: Access items with a Gmail label from the Home screen.

Settings: Choose a setting, to go to the setting directly from the Home screen.

VZ Navigator: Find, share and navigate to millions of locations, avoid traffic and drive or walk with ease.

Widgets

Widgets are self-contained applications that you can place on the Home screen for quick access.

Adding Widgets to the Home screen

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Widgets**, then touch a widget to add it to the Home screen.

Removing Widgets

- Touch and hold the Widget until **Remove** appears, then drag the Widget to the **Remove** icon.

AccuWeather.com: Display current weather.

Analog Clock 1: Display a clock.

Analog Clock 2: Display a clock.

Data Usage: View data usage for the billing period. Touch to launch My Verizon Mobile.

Digital clock: Display a clock.

Dual clock 1: Display a clock.

Dual clock 2: Display a clock.

Google Search: Display a Google Search bar.

Home screen tips: Show tips about the Home screen.

Latitude: Locate your friends on a map, and share or hide your location.

Market: Download apps from the Android Market.

Picture frame: Display a picture from the Gallery on the Home screen.

Power savings: Control Settings that affect battery usage.

Program Monitor: Display the number of active applications. Touch to launch Task Manager.

Rate Places: Post a rating for places you visit.

Slacker Radio: Listen to your Slacker Radio station on your device. Requires a Slacker Radio subscription.

Traffic: Display traffic information.

YouTube: Search YouTube and watch videos.

Folders

Place Folders on the Home screen to organize items.

Adding Shortcuts from the Home screen

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Folders**, then touch a selection to add it to the Home screen.

Removing Folders

- Touch and hold the Folder until **Remove** appears, then drag the Folder to the Remove icon.

Folders

New folder: Create a new empty folder.

All contacts: Create a folder containing all contacts.

Contacts with phone numbers: Create a folder containing contacts with stored phone numbers.

Received list from Bluetooth: Create a folder containing a list of items received via Bluetooth.

Starred contacts: Create a folder containing contacts marked as Favorites.

Wallpaper

Choose a background for the the Home screen. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Add to Home screen** menu, then touch **Wallpapers**.

   – or –

   From the Home screen, press the **Menu Key**, then touch **Wallpaper**.

2. Choose a source for images:

   - **Gallery**: Access the Gallery to choose a picture from an installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.
   - **Live wallpapers**: Choose from pre-loaded interactive animated wallpapers. Touch a wallpaper to see an example, then touch **Set wallpaper**.
   - **Wallpaper gallery**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Applications

Applications holds all applications installed on your wireless device. Applications that you download and install from Android Market or from the web are also added to Applications.

You can place shortcuts to applications on the Home screen, for quick access to the application. For more information, see *"Adding Shortcuts from Applications"* on page 28.

1. From the Home screen, touch **Applications**.
2. Slide your finger left or right to scroll the Applications screens.
3. Touch an icon to launch the application.

Customizing the Applications Screens

Choosing a view

By default, application icons appear in Grid view. You can change the view to list view.

1. From the Home screen, touch **Applications.**
2. Press the **Menu Key**, then touch **List View** or Grid View to change to a different view.

Moving Application icons

1. Touch and hold an application icon, then drag it to a new location.
2. When you are finished, press the **Menu Key**, then touch **Save**.

Tip: You can place Applications on the Primary Shortcuts bar, to allow access to the application from any screen. For more information, see *"Editing the Primary Shortcuts"* on page 27.

Creating folders

You can use folders to organize application icons.

1. From the Home screen, touch **Applications.**
2. Press the **Menu Key**, then touch **New folder**.
3. Enter a name for the new folder, then touch **OK**.
4. The folder displays at the bottom of the screen. Touch and drag application icons to the folder. You can scroll the application screen to find icons.
5. To save the new folder and its contents, press the **Menu Key**, then touch **Save**.

Removing folders

1. From the Home screen, touch **Applications.**
2. Press the **Menu Key**, then touch **Edit**.
3. Touch the folder's minus symbol to delete the folder.

AllShare: Synchronize your phone with your TV.

Amazon Kindle™: Download Amazon books to read on your device.

Backup Assistant: Save your contacts to a secure web site.

Blockbuster: Browse and search the entire mobile catalog of Blockbuster on Demand titles.

Books®: Browse and search the Google Books library, to read eBooks on your phone.

Browser: Access the Internet.

Calculator: Perform mathematical calculations.

Calendar: Record events and appointments to manage your schedule.

Camera: Take pictures or record videos.

City ID: Subscribe to display the city and state for incoming calls.

Clock: Keep track of time with Alarm, World clock, Stopwatch and Timer features.

Contacts: Save and manage contact information for your friends and colleagues. Appears in the Primary Shortcuts by default.

Desk Cradle: Operate your phone with an optional Desk Cradle accessory.

Downloads: View and manage files you download to your phone.

Email: Send and receive email from your phone.

Gallery: View and manage pictures stored on your phone, or on an installed memory card.

Gmail®: Send and receive emails via Gmail, Google's web-based email.

Google Search®: Search the web and your phone with Google Search bar.

Guided Tours: Get information about your phone and how to use it.

IM: View and manage all your instant messaging in one application.

Latitude®: Use Google Latitude to locate your friends on a map, and share or hide your location.

Let's Golf 2: Play the popular game on your phone.

Maps®: Find locations and get directions with Google Maps.

Market®: Browse, download, and install Android applications.

Media Hub: Browse the latest movies and TV shows, then rent or purchase the media to view on your phone.

Memo: Create, save and send text notes.

Messaging: Send and receive messages. Appears by default in the Primary Shortcuts.

Mobile Hotspot: Share your phone's mobile internet connection via Wi-Fi.

Music Player: Play music stored on an installed memory card.

My Files: Find, view and manage files stored on an installed memory card.

My Verizon Mobile: View details and manage your Verizon Wireless account.

Navigation: Use Google Maps Navigation to search for locations, and get turn-by-turn directions.

NFL Mobile: Play the popular game on your phone.

NFS Shift: Play Need for Speed: Shift, right on your phone.

Phone: Make and answer calls. Appears in Primary Shortcuts by default.

Places: Use Google Maps to find places of interest, plus add your own favorite places.

Quickoffice®: Create and save Microsoft Word, Excel, and Powerpoint documents, and view PDFs.

Settings: Configure your phone to your preferences.

Setup Wizard: Set up your phone.

Slacker : Listen to your Slacker Radio station on your device. Requires a Slacker Radio subscription.

Talk: Chat with other Google Talk users.

Task Manager: View and manage active applications.

V CAST Media: Use the V CAST Media Manager app to preview, download and purchase media from the V CAST library, right from your phone.

V CAST Music: Browse, purchase and download songs from the V CAST catalog.

V CAST Tones: Purchase ringtones and ringback tones.

V CAST Videos: Browse and download movies from the V CAST library.

Video Player: Play and manage videos stored on an installed memory card.

Voice Dialer: Speak commands to make calls, and to launch other phone features.

Voice Mail: Retrieve messages from callers.

Voice Recorder: Record and share your voice or other sounds.

Voice Search: Perform a Google search by speaking your search terms.

VZ Navigator: Find, share and navigate to millions of locations.

YouTube: View and upload YouTube videos, right from your phone.

Section 3: Call Functions

This section describes how to make, answer or end calls.

Making Calls

Your phone offers multiple ways to make calls:

- Use the touch screen **Keypad** to enter the phone number or speed dial number.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Call log**.
- Voice dial using **Voice Dialer**.

Making Calls Using the Phone Keypad

1. From the Home screen, touch **Phone**.
2. Touch the digits of the telephone or speed dial number on the **Keypad**.
3. Touch to place the call.

Making Calls using Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact. For more information about setting speed dials, see *"Speed Dials"* on page 52.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the speed dial number on the **Keypad**, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see *"Contacts"* on page 44.

1. From the Home screen, touch **Contacts**.
2. Slide your finger across the contact item, left to right.

   – or –

   Touch a contact to display its Contact entry, then touch a phone number dial .

Making Calls using Voice Dialer

Place a call by speaking the name or number.

1. From the Home screen, touch **Phone**, then touch **Voice Dialer**.

   – or –

   From the Home screen, touch **Applications** → **Voice Dialer**.

2. "**Listening**" displays on screen, with a prompt to speak a command. Follow the voice prompts or touch an option.

   Voice Dialer commands include:

   - **Call <Name or #>**: Call an entry in your Contacts list or a spoken phone number.
   - **Dial <Name or #>**: Call an entry in your Contacts list or a spoken phone number.
   - **Redial <Name or #>**: Repeat a recent call.

Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see *"Favorites"* on page 49.

1. From the Home screen, touch **Phone**.
2. Touch the **Favorites** tab to display favorites and frequently-called numbers.
3. Slide your finger across a favorite or frequent item, left to right, to dial the default number for the contact.

   – or –

   Touch a contact to display its Contact entry, then touch a phone number to dial it or touch **Call** to dial the default number for the contact.

Making Calls from Call Log

Return a call, or call a number from a recent call stored in Call log. For more information about Call log, see *"Call Log"* on page 40.

1. From the Home screen, touch **Phone**.
2. Touch the **Call log** tab to display recent calls.
3. Touch beside a number or contact to dial it.

   – or –

   Slide your finger left-to-right across a recent call.

Three-Way Calling

Merge two calls to set up a three-way call between you and two other parties.

Setting up a Multi-Party Call

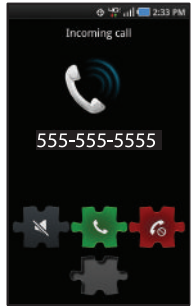
1. Establish a call, either by dialing or answering an incoming call.
2. Touch **Add Call**. The first call is placed on hold, and the **Keypad** displays.
3. Enter the second phone number, then touch .
4. Touch **Merge calls**. The two calls are joined into one, 3-way call.

Answering Calls

You can answer incoming calls when the phone is locked or unlocked.

Note: This is the default method for answering calls. You can also set answering options, such as sliding the phone open to answer calls, or automatically answering calls when a headset is attached. For more information, see *"Answering mode"* on page 114.

- Touch and drag the **Answer** puzzle piece to the empty space.



Tip: To silence the ringtone for an incoming call, use the **Quiet** puzzle piece, or press the **Volume Key** down.

Sending Calls to Voice Mail

When your phone alerts you to an incoming call, you can ignore the call to send the caller to voice mail, or ignore the call and send a message to the caller.

Ignoring a call

▶ Touch and drag the **Ignore** puzzle piece to the empty space.

Ignoring a call with a message

▶ Touch and drag the **Ignore** puzzle piece to the empty space, then touch **Message** to choose a message or create a new message.

Note: For more information about creating ignore messages, see *"Ignore with message"* on page 114.

Answering Call-Waiting Calls

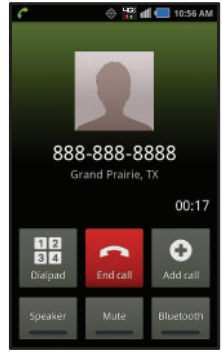
When you receive a call while on a call:

- Touch and drag the **Answer** puzzle piece to the empty space to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

In-Call Options

While in a call, you can use these features:

- **Dialpad**: Display a dialpad to enter numbers.
- **End call**: End the phone call.
- **Add call**: Display the Dialer to set up a multi-party call.
- **Speaker**: Enable or disable speakerphone.
- **Mute**: Mute or unmute your voice on the call.
- **Bluetooth**: Switch the call's audio to a Bluetooth headset.



Ending a Call

▶ Touch End call.

Call Log

When you place, answer, or miss a call, a record of the call is saved in the Call log.

Accessing Call Log

- From the Home screen, touch **Phone** ➔ **Call log**.

Sending Messages using Call Log

Create a new message, with the phone number from Call log entered in the To list.

1. From the Home screen, touch **Phone** ➔ **Call log**.
2. Touch and hold on a call record, then select **Send message**.

   – or –

   Slide your finger right-to-left across a recent call.
3. Continue creating the message. For more information, see *"Creating and Sending Messages"* on page 61.

Creating or Updating Contacts Using Call Log

1. From the Home screen, touch **Phone** ➔ **Call log**.
2. Touch and hold on a call record, then select **Add to Contacts** from the pop-up menu.
3. At the **Save contact to** prompt, touch an account for saving the contact (available options depend on the accounts you have set up).
4. Continue entering contact information. For more information, see *"Contacts"* on page 44.

Managing the Call Log

Deleting Call log records

1. From the Home screen, touch **Phone** ➔ **Call log**.
2. While viewing the Call log, press the **Menu Key**, then touch **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check indicates marked records.
4. Touch **Delete** to delete marked records.

Filtering Call log records

1. From the Home screen, touch **Phone** ➔ **Call log**.
2. While viewing the Call log, press the **Menu Key**, then touch **View by**.
3. Select a filter type, from **All logs**, **Missed calls**, **Dialed calls**, or **Received calls**.

Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. From the Home screen, touch **Phone** ➔ **Call log**.
2. While viewing the Call log, press the **Menu Key**, then touch **Call duration**.

Section 4: Contacts and Accounts

This section explains how to manage your contacts and accounts.

Accounts

Your phone provides the ability to synchronize information from a variety of accounts, including Google, a Corporate server, social networking sites such as Facebook and Twitter, and other accounts. With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

With Corporate Exchange and Google accounts you can synchronize Calendar events and Contacts.

Tip: For more information on setting up your email, visit the Smartphone Resource Center at https://smartphones.verizonwireless.com, click on the Smartphone Support tab and select your phone.

Synchronizing your accounts

You can choose to have your phone automatically maintain synchronization with your accounts, or manually synchronize each account when you want to check messages.

You may also choose to limit automatic or background synchronization to extend battery life.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync**.
2. Set synchronization options:
   - **Background data**: When enabled, applications can sync, send, and receive data at any time.
   - **Auto-sync**: When enabled, applications can sync data automatically, at any time. You can manually sync accounts with the Sync option available in the accounts.

Setting Up Accounts

Set up and manage your synchronized accounts with the Accounts & sync setting.

For information about setting up other, non-synchronized accounts, see *"Configuring Email Accounts"* on page 64.

Adding an account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync** ➔ **Add account**.
2. Touch an account provider, then follow the prompts to enter your credentials and sign in.
3. The phone communicates with the provider's server to set up your account on the phone.

Managing accounts

1. Press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Choose an account, then touch a setting to enable or disable synchronization. When enabled, a check mark appears in the check box.

Adding a Corporate account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch **Add account** ➔ **Corporate**.
3. Follow the prompts to enter your credentials and other details.
4. The phone communicates with the provider's server to set up your account on the phone.
5. Your Corporate account appears in the **Manage accounts** area of the **Accounts & sync** screen, and in the Email application.

Managing a Corporate Exchange account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch your Corporate account to display it, then touch **Account settings** for settings.

Adding a Facebook account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync** ➔ **Add account** ➔**Facebook**.
2. Enter your Email and Password, then touch Log in.
3. Follow the prompts to complete the setup.

Setting Up a Twitter account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync** ➔ **Add account** ➔**Twitter**.
2. Enter your Username or Email and Password, then touch **Log in**.
3. Follow the prompts to complete the setup.

Contacts

To access Contacts:

▶ From the Home screen, touch **Contacts**.

Creating Contacts

1. From the Home screen, touch **Contacts** ➔ **Create contact**.
2. At the **Save contact to** prompt, touch an account for saving the contact (available options depend on the accounts you have set up):
   - **Phone**: Saves to the phone's Contacts.
   - **SIM**: Saves to the 4G LTE SIM card.
   - **Google**: Saves to your Google account.
   - **Corporate**: Saves to your Corporate Exchange account.
3. Touch contact fields to enter information:
   - Touch **Photo ID** to choose a picture to identify the contact.
   - Touch **First name**, then enter a first name for the contact.
   - Touch **Last name**, then enter a last name for the contact. After entering a last name touch to enter a **Name prefix**, **Middle name**, **Name suffix**, **Phonetic given name**, **Phonetic middle name**, or **Phonetic family name**.

- Touch **Phone number** to enter a phone number, then touch the **Label** button to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Pager**, **Other**, or **Custom** to create a new label. To add another number, touch .
- Touch **Email address** to enter an email address, then touch the **Label** button to choose a label, from **Home**, **Work**, **Mobile**, **Other**, or **Custom** to create a new label. To add an address, touch .
- Touch **Instant msg** to enter an instant message address, then touch the label button to choose a label, from **Google Talk**, **AIM**, **Windows Live**, **Yahoo**, **Skype**, **QQ**, **ICQ**, **Jabber**, or **Custom** to create a new label. To add another IM address, touch .
- Touch **Groups** to assign the contact to a group. For more information about Groups, see *"Groups"* on page 50.
- Touch **Ringtone** to choose a ringtone for the contact.
- Touch **Postal address** to enter a mailing or shipping address.
- Touch **Organisation** to enter an affiliation.
- Touch **More** to add more fields, including **Notes**, **Nickname**, **Website**, **Internet call**, **Birthday**, or **Anniversary**.

4. When you finish entering information, touch Save.

Creating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Call Log"* on page 40.

Creating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.

Tip: While entering a phone number on the **Keypad**, you can add waits or pauses, to stop during dialing to wait for input from you.

On the **Keypad**, enter the number up to the pause or wait, then press the **Menu Key** to select **Add 2 sec pause** or **Add wait**.

3. Press the **Menu Key**, select **Add to Contacts**, then select **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see *"Creating Contacts"* on page 44.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch **Contacts**.
2. Touch a contact to view its information, then press the **Menu Key** to select **Edit**.

   – or –

   Touch and hold a contact, then select **Edit** from the menu.
3. Continue entering contact information. For more information, see *"Creating Contacts"* on page 44.

Updating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Press the **Menu Key**, select **Add to Contacts**, then select **Update existing** from the pop-up menu.
4. Select a contact to update, then touch **Save**, or continue entering contact information. For more information, see *"Creating Contacts"* on page 44.

Updating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Call Log"* on page 40.

Get Friends

Use the Get Friends feature to sync with your accounts. You can choose an account you've already set up on your phone, or set up a new account.

For more information, see *"Setting Up Accounts"* on page 43.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key** then touch **Get friends**.
3. Touch **Add Account**, then touch an account.
4. Press the **Menu Key**, then touch **Sync now**.

My Profile

My profile is your own contact record. You can send My profile as a vCard via Bluetooth or as an attachment via Gmail.

Viewing My Profile

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **My profile** to display your contact information.
3. To add information to your profile, press the **Menu Key**, then touch **Edit**. For more information, see *"Creating Contacts"* on page 44.

Sending My Profile

You can send My Profile as a vCard via Bluetooth, or as an attachment to a Gmail, Email or message.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **My profile** to display your contact information.
3. Press the **Menu Key**, then touch **Send namecard via**.
4. Choose a sending method, then follow the prompts to send the profile.

Joining Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate Exchange, and other providers, plus social networking sites like Facebook and Twitter. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Joining imported contact records to a phone contact allows you to see all the contact's numbers and addresses together in one Contact record. Joining also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

Joining contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Press the **Menu Key**, then touch **Join contact**.
4. Touch an imported contact record to join it to the Phone contact.

Removing joined contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Joined Contacts** field to display joined contacts.
4. Touch a contact to remove it from the displayed contact.

Contacts Display Options

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** → **Display options** to set these options:
   - Touch **Only contacts with phone numbers** to restrict display to contact records containing phone numbers.
   - Touch **Sort by** to list contacts by first or last name.
   - Touch **Display contacts by** to show contacts by first or last name.
   - Under **Select contacts to display**, touch an account to select contacts by group.
3. Touch Done to save options.

Exporting and Importing Contacts

Sending Namecards (vCard)

You can send contact namecards as vCards via Bluetooth, or as an attachment to a Gmail, Email or message.

Important!: Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **Import/Export** → **Send namecard via**.
3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark appears in the check box for marked contacts.
4. Choose a sending method, then follow the prompts to send the profile.

Importing or Exporting Using a Memory or SIM Card

You can export your contact list to an installed memory card or the SIM card, or import a list of contacts (previously exported) from a memory or SIM card.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **Import/Export**.
3. Touch an option, then follow the prompts to complete the operation.

Backing Up Your Contacts

Use Backup Assistant to save a copy of your Contacts to a secure web site. For more information, see *"Backup Assistant"* on page 53.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **Backup**.
3. Follow the prompts to log in to your Backup Assistant account.

Favorites

Mark contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone, for fast dialing or messaging, and are indicated by the ★ in Contacts.

Creating Favorites

1. From the Home screen, touch **Contacts**.
2. Touch and hold on a phone or email contact, then select **Add to Favorites** from the pop-up menu.

   – or –

   Touch any contact to display it, then touch the ★ **Star** at the top right of the screen.

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members.

Accessing Groups

- From the Home screen, touch **Contacts** ➔ **Groups**.

Creating a New Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Press the **Menu Key**, then touch **Create**.
3. Touch the **Group name** field to enter a name for the group.
4. Touch **Ringtone** to choose a ringtone for calls from members of this group.
5. Touch Save to save the new group.

Editing a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a group to view its information, then press the **Menu Key** to select **Edit group**.

   – or –

   Touch and hold a group, then select **Edit group** from the menu.
3. Make desired changes to the group name or ringtone, then touch Save to save the changes.

Deleting a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Press the **Menu Key**, then touch **Delete**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box.
4. Touch Delete, then choose **Group only** or **Group and group members**.

Adding Contacts to a Group

Tip: You can also add a contact to a group when you create the contact. For more information, see *"Creating Contacts"* on page 44.

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it, then touch **Add member**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch **Add** to add the selected contact(s).

Removing Contacts from a Group

Tip: You can also add a contact to a group when you edit the contact. For more information, see *"Updating Contacts"* on page 46.

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it.
3. Press the **Menu Key**, then touch **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch Remove to remove the selected contact(s).

Sending a Message to Group Members

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch and hold on a **Group**, then select **Send message** or **Send email**.

   – or –

   Touch a group to display it, then press the **Menu Key** to select **Send message** or **Send email**.
3. Touch contacts to mark them as recipients for the new message, then touch Send.
4. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 61, or *"Composing and Sending Email"* on page 65.

History

History displays all calls, messages, emails, IMs, and Facebook and Twitter messages sent and received from contacts.

1. From the Home screen, touch **Contacts** ➔ **History**.
2. A list of calls, messages and emails displays, sorted by time, with most recent first.
3. Press the **Menu Key** for these options:
   - **Delete**: Erase history records.
   - **View by**: Filter records by type. Choose from **Call**, **Message**, **Facebook**, or **Twitter**.

Activities

Use Activities to view updates to Contacts from your social networking accounts, such as Facebook and Twitter.

Note: If you haven't updated Contacts from any accounts, the Activities tab will be blank.

▶ From the Home screen, touch **Contacts** ➔ **Activities**.

Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

Note: Some Speed Dials are reserved by default, and cannot be assigned:
Speed Dial 1 is reserved for Voicemail.
Speed Dial 97 is reserved for balance inquiries.
Speed Dial 98 is reserved for minutes inquiries.
Speed Dial 99 is reserved for payment inquiries.
Speed Dial 100 is reserved for data call inquiries.

Assigning Speed Dials

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** ➔ **Speed dial**.
3. A list of speed dials displays. Touch a speed dial, then touch a contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** ➔ **Speed dial**.
3. Press the **Menu Key**, then touch an option:
   - **Remove**: Touch a speed dial to remove it.
   - **Change order**: Touch an assigned speed dial, then touch a new speed dial location to change the order.

Backup Assistant

Backup Assistant is a free wireless service that saves a copy of your Contacts to a secure web site. If your phone is lost, stolen or damaged, Backup Assistant can restore your saved contacts to a new phone, wirelessly. You can schedule backups to save your information manually or automatically. Log in to your web account for full access to your contacts for viewing, printing, adding, deleting and editing.

Note: Subject to specific terms of use. Results may vary based on backup schedule and other factors.

See www.verizonwireless.com/backupassistant for more details.

- From the Home screen, touch **Contacts**, then press the **Menu Key** to select **Backup**.

  – or –

  From the Home screen, touch **Applications** → **Backup Assistant**.

  – or –

  From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync** → **Backup Assistant**.

Section 5: Entering Text

This section describes how to enter words, letters, punctuation and numbers when you need to enter text.

Text Input Methods

Your phone offers these input methods:

- **Slide-out QWERTY keyboard**: Slide the phone open to enter text by pressing keys on the physical keyboard.
- **Swype**: Swype is a new text input method that allows you to enter words by gliding your finger over the virtual QWERTY keyboard, lifting your finger between words. You can also enable Word prediction, which matches your key touches to common words.
- **Android keyboard**: Enter text by touching keys on a virtual QWERTY keyboard. Android keyboard includes predictive text, which matches your key touches to common words so you can select a word to insert it into your text.
- **Samsung keypad**: The Samsung keypad is a virtual QWERTY keyboard that allows you to enter text by touching keys on the screen. Samsung keypad includes optional XT9 predictive text, which matches your key touches to common words so that you can select the word to enter it into your text.
- **Voice input**: The virtual QWERTY input methods offer optional voice input, so you can speak text to enter.

Choosing the Input Method

When entering text via the touch screen, you can select a text input method.

▶ Touch and hold on a text input field, then select an input method.

Entering Text Using the Keyboard

Your phone provides a slide-out QWERTY keyboard for text entry.

Slide the phone open to reveal the QWERTY keyboard.

Enter characters by pressing the keys, and using the special feature keys:

- Press ⌫ to delete characters, or press and hold to delete an entire word.
- Press ↵ to go to the next line or field.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by pressing Shift to toggle the case, before touching the letter key(s).

- Press once to switch from abc to Abc mode
- Touch and hold to switch to ABC mode

Entering Symbols and Numbers

Enter numbers by pressing the number keys on the keyboard.

To enter common symbols, shown in orange on the keys, press Fn then press the key for the symbol.

Entering Smileys

1. Press Fn, then press Space ☺ to display a list of smileys.
2. Touch a smiley to insert it into your text.

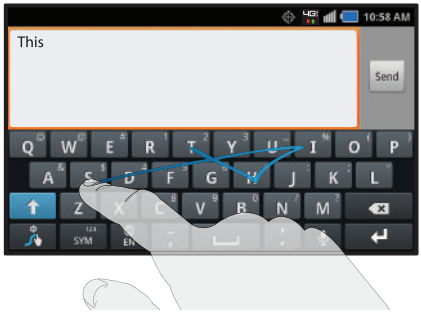
   – or –

   Use the ▲ ▼ **Directional Keys** to scroll the list to highlight a smiley, then press ↵.

Entering Text Using Swype

Swype is a new way to enter text on touch screens. Instead of touching each key, use your finger to trace over each letter of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

This example shows how to enter the word “this”. Put your finger down on the “t”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.



Here are a few tips to get you started:

- **Spacing is automatic**: When you finish a word, just lift your finger and start the next word.
- **Double letters**: Just “scribble” on the key.
- **Capitalization**: Swype recognizes and capitalizes the first word of sentences. If you want to capitalize a word that isn’t at the beginning of a sentence, just glide above the keyboard before gliding over the next letter.
- **Contractions**: Swype recognizes most words that include an apostrophe; just swype the letters of the word, including the apostrophe.
- **Punctuation**: Tap and hold a key to view a punctuation menu and make a selection.
- **Accented characters**: Just glide through the letters of the word. Swype usually recognizes the word and correctly accents the letters.
- **Error correction**: If you make a mistake, double-tap on the word you want to change.

Configuring Swype

Configure Swype options.

- For more information, see *"Swype"* on page 135.
- While entering text, touch the **Swype settings**.

Note: You can use Swype in Chinese, English, Korean, Vietnamese and Spanish. In Swype settings, touch **Language** to set the language.

Swype Help

While entering text, you can get tips and help about using Swype.

- Tap the **Swype settings** ➔**Tutorial** for an interactive tutorial.
- Tap the **Swype settings** ➔ **Swype Help** to view Help.

Entering Symbols and Numbers

Using the Swype Keyboard:

- Touch and hold on a key to enter the symbol or number at the top of the key.
- Touch and hold on a key until a menu of all characters available on that key appears, then touch a character to enter it.
- To enter common symbols, touch to switch to Symbol mode, then touch a key.
- For more symbols, Touch ➔ , then touch a key.

Using the Numeric Keyboard

Switch to a Numeric Keyboard, to quickly enter numbers and mathematical operators.

▶ Touch and hold .

Editing Keyboard

The Editing Keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste highlighted text.

▶ Swype from the **Swype settings** to .

Using Swype Speech Recognition

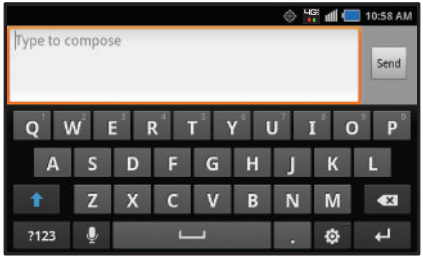
Enter text by speaking. Swype recognizes your speech and enters text for you.

▶ Touch the **Speech Recognition Key**. At the **Speak now** prompt, speak the text you want to enter.

Entering Text Using the Samsung Keypad

The Samsung keypad is a custom virtual QWERTY keyboard, featuring optional XT9 predictive text. Input characters by tapping the on-screen keys with your finger, or use speech recognition.

You can enable XT9 predictive text, to have the Samsung keypad match your key touches to common words and displays them. Select a word from the display to insert it into your text.



Configuring Samsung keypad

Configure the Samsung keypad to your preferences.

- For more information, see *"Samsung keypad"* on page 136.
- While entering text, touch .

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching to toggle the case, before touching the letter key(s).

- Touch once to switch from abc to Abc mode (the arrow turns blue)
- Touch and hold to switch to ABC mode (the key turns blue)

Entering Symbols and Numbers

To enter common symbols, touch ?123 to switch to symbol mode, then touch the corresponding key.

To enter less-common symbols, touch ?123 → 1/3, then touch the corresponding key.

Enter numbers by touching ?123, then touching the number keys.

Using Samsung keypad Speech Recognition

Enter text by speaking. Samsung keypad recognizes your speech and enters text for you.

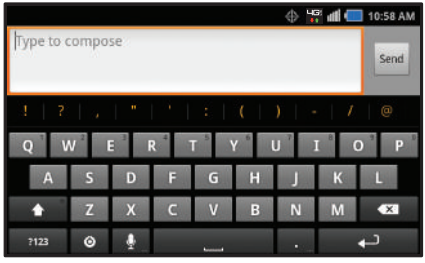
▶ Touch the **Voice Input Key**.

Note: To use Voice input, you must enable Voice input in Samsung keypad settings. For more information, see *"Samsung keypad"* on page 136.

Entering Text Using the Android Keyboard

The Android Keyboard is a custom virtual QWERTY keyboard, featuring predictive text. Input characters by tapping the onscreen keys with your finger, or use speech recognition.

As you enter characters, predictive text matches your key touches to common words and displays them. Select a word from the display to insert it into your text.



Configuring Android Keyboard

Configure the Android Keyboard to your preferences.

- While entering text, touch → **Android keyboard settings**.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching to toggle the case, before touching the letter key(s).

- Touch once to switch from abc to Abc mode.
- Touch twice quickly to lock the keyboard in ABC mode. Touch the key again to return to Abc mode.

Entering Symbols and Numbers

To enter common symbols, touch the symbols at the top of the keyboard.

To enter less-common symbols, touch ?123 → ALT, then touch the corresponding key.

Enter numbers by touching ?123, then touching the number keys.

Using Android Voice Input

Enter text by speaking. Android Keyboard recognizes your speech and enters text for you.

▶ Touch the **Voice Input Key**.

Note: To use Voice input, you must enable Voice input in Android keyboard settings. For more information, see *"Android keyboard settings"* on page 138.

Editing Text

Use the text selection tools to select text or position a cursor for inserting text, then use the editing tools to select, cut, copy and paste text.

Note: Some applications do not support editing, or may offer other ways to select and modify text.

Inserting new text

- Touch the text to display the insertion cursor (touch and drag the cursor into position in the text if needed).

Selecting text

1. Touch the text to display the insertion cursor, then touch the cursor to display edit tools.
2. Touch **Select word** or **Select all** from the pop-up menu to display the selector cursors. Touch and drag the cursors to highlight the text you want to select.

Tip: Touch **Select all** in the Application bar to select all text in the field. Touch on another area of the screen or touch **Done** to unselect the text.

Copying or cutting text

1. Touch the text to display the insertion cursor, then touch the cursor to display edit tools.
2. Touch **Select word** or **Select all** to display the selector cursors.
3. Touch and drag the cursors to highlight the text you want to select, then touch **Cut** or **Copy** from the pop-up menu.

Pasting copied or cut text

1. Touch in a text entry field to display the insertion cursor (touch and drag the cursor into position in the text, if needed).
2. Touch **Paste** from the pop-up menu to insert previously cut or copied text.

Note: If the Paste pop-up menu does not appear automatically, touch the insertion cursor to display it.

Section 6: Messaging

This section describes how to send and receive messages, and other features associated with messaging.

Types of Messages

Your phone supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages**: Send and receive text messages with pictures, video, and/or sound to other mobile phones or email addresses (also known as MMS).
- **Mobile IMs**: Exchange Instant Messages with other users of popular messaging sites.
- **Email**: Send and receive email from your email accounts, including Corporate Exchange mail.
- **Gmail**: Send and receive Gmail from your Google account.
- **Voice Mail**: Retrieve voice messages from callers.
- **Google Talk**: Chat with other Google Talk users.

Note: Messaging service availability depends on your network and service plan. Multimedia Messaging charges apply per your Calling Plan. Monthly plans are available. Higher rates apply for International Multimedia Messaging (when available). Compatible Device required. Consult Verizon Wireless for more information.

Text and Multimedia Messaging

Your phone can send and receive text and multimedia messages.

Creating and Sending Messages

Create a message using the touchscreen or keyboard.

When using the QWERTY keyboard, you can use the ▲ ▼ ◄ ► **Directional Keys** to navigate between message fields.

1. On the QWERTY keyboard, press the **Message Key**.

   – or –

   From the Home screen, touch **Messaging → New message**.

2. At the **To** field, enter a name, phone number or email address. Use these methods for selecting recipients:
   - As you enter characters, matching contacts appear. Touch a contact to add it to the list.
   - Touch **Recent** to choose recipients from recent messages.
   - Touch **Contacts** to choose recipients from Contacts.
   - Touch **Group** to add a group to recipients.

3. At the **Type to compose** field, enter the message. For more information about entering text, see *"Entering Text"* on page 54.
4. While composing the message, press the **Menu Key** for options:
   - **Add subject**: Add a subject field (converts the message to MMS).
   - **Add text**: Select text from Contacts, Calendar or Memo to add to the message.
   - **Insert smiley**: Add a text emoticon to the message.
   - **Discard**: Cancel the message.
   - **Priority level**: Set the urgency of the message.
5. To add an attachment to the message, touch **Attach**, then select an option and follow the prompts. Attaching media changes the message to a multimedia (MMS) message.
6. Touch Send to send the message.

Creating and Sending Messages from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest. For more information, see *"Contacts"* on page 44.

You can create a new message addressed to a contact, right from the contact entry.

1. From the Home screen, touch **Contacts**.
2. Slide your finger across the contact entry, right to left.

   – or –

   Touch a contact to display its Contact entry, then touch Send message to create a message to the Contact.

Creating and Sending Messages from the Phone Keypad

You can enter a phone number and create a new message in the Phone Keypad.

1. From the Home screen, touch **Phone**.
2. Enter the phone number.
3. Touch to create a message to the number.

Managing Messages

Threaded View

Messages you send and receive to the same contact, number or address are grouped together as a "thread". Threads allow you to see all the messages you exchanged with a recipient.

1. From the Home screen, touch **Messaging**.
2. Message threads display by contact, number, or address.

   While viewing message threads, you have these options:

   - Touch and hold a thread to choose options, including:
     - **View Contact / Add to contacts**: View the contact record, or save the sender/recipient's information.
     - **Delete thread**: Erase the entire message thread.
   - Press the **Menu Key** for options, including:
     - **Compose**: Create a new message.
     - **Delete threads**: Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads for erasure.
     - **Search**: Enter characters to search messages and recipient lists.
     - **Settings**: Configure message settings.

Message Settings

Configure settings for message storage, delivery, or alerts.

1. From the Home screen, touch **Messaging**.
2. Press the **Menu Key**, then touch **Settings** for options:
   - **Storage settings**:
     - **Delete old messages**: When enabled, messages are automatically erased when storage reaches default limits. When disabled, the phone will prompt you to delete old messages to make room.
     - **Text message limit**: Set the number of messages per conversation.
     - **Multimedia message limit**: Set the number of messages per conversation.
   - **Text message (SMS) settings**:
     - **Delivery reports**: When enabled, you receive a delivery reports for text messages you send.
     - **Manage SIM card messages**: View and manage messages you've stored on an installed SIM card.
   - **Multimedia message (MMS) settings**:
     - **Delivery reports**: When enabled, you receive a delivery report for multimedia messages you send.
     - **Auto-retrieve**: When enabled, MMS messages download automatically. When disabled, the phone prompts for download.
     - **Roaming auto-retrieve**: When enabled, MMS messages download and display automatically when roaming. When disabled, the phone prompts you to download new MMS messages.

- **Notification settings**:
  - **Notifications**: Enable or disable message alerts in the status bar.
  - **Select ringtone**: Choose a sound for message alerts.
  - **Vibrate**: Enable or disable vibration for message alerts.
- **Signature**:
  - **Enable Signature**: When enabled, the text you enter at Signature Text is included in all messages you send.
  - **Signature Text**: Enter text to include as a signature at the end of messages you send.

Email

Send and receive email using popular email services.

Note: Only some paid "Plus" accounts include POP access to allow this program to connect. If you are not able to sign in with your correct email address and password, you may not have a paid "Plus" account. Please launch the Web browser to access your account.

Configuring Email Accounts

You can configure Email for most accounts in just a few steps.

Configuring the first email account

1. From the Home screen, select **Applications** ➔ **Email**.
2. Select your email provider, then follow the prompts to set up your email account.

Note: For more information on setting up your email, visit the Smartphone Resource Center at https://smartphones.verizonwireless.com, click on the Smartphone Support tab and select your phone.

Configuring additional email accounts

1. From the Home screen, select **Applications** ➔ **Email**.
2. Press the **Menu Key**, then select **Accounts** ➔ **Add Account**.
3. Select your email provider, then follow the prompts to set up your email account.

Composing and Sending Email

1. From the Home screen, select **Applications** ➔ **Email**.
2. Select an email account, then touch **Compose**.
3. Touch fields to enter recipients and the email text.
4. While composing a message, press the **Menu Key** for options.
5. Touch **Attach** to add a file to the message.
6. Touch **Send** to send the message.

Managing Emails

Refreshing Your Email Account

Refresh your account to update accounts on your phone from the providers' servers.

1. From the Home screen, select **Applications** ➔ **Email**.
2. Press the **Menu Key**, then touch **Refresh**.

Note: You can also set up automatic synchronization in Account & sync settings. For more information, see *"General sync settings"* on page 130.

Email Account Settings

Use Account settings to configure handling of your email.

Note: Some email accounts may have different, or additional, settings.

1. From the Home screen, select **Applications** ➔ **Email**.
2. Touch an account to view it, then press the **Menu Key**.
3. Touch **More** ➔ **Account settings** for options.

Gmail

Setting Up Your Gmail Account

The first time you launch Gmail, your phone will prompt you to set up your Google account.

1. From the Home screen, select **Applications** ➔ **Gmail**.
2. Follow the prompts to sign in, or create a new account.
3. The phone communicates with the Google server to set up your account and synchronize your email.

Note: You can use more than one Google account on your phone. To add another account, use the **Menu** ➔ **Accounts** option.

Refreshing Your Gmail Account

Refresh your account to update messages on your phone.

1. From the Home screen, select **Applications** ➔ **Gmail**.
2. Press the **Menu Key**, then touch **Refresh**.

Note: You can also set up automatic synchronization in Account & sync settings. For more information, see *"General sync settings"* on page 130.

Composing and Sending Gmail

1. From the Home screen, select **Applications** ➔ **Gmail**.
2. Press the **Menu Key**, then touch **Compose**.
3. Touch fields and to compose the message. While composing, press the **Menu Key** for options.
4. Press the **Menu Key**, then touch **Send**.

Managing Your Gmail Account

Use menu options to manage your Gmail.

1. From the Home screen, select **Applications** ➔ **Gmail**.
2. Press the **Menu Key** for options.

Google Talk

Chat with other Google Talk users.

Note: Talk requires that you have a Google account set up on your phone. For more information, see *"Setting Up Accounts"* on page 43.

If you set up your Google account, you are automatically logged in.

▶ From the Home screen, select **Applications** ➔ **Talk**.

IM

Use IM to send and receive instant messages via popular services.

Note: Create the Instant Messaging account on your PC before accessing it with your phone.

Important!: IM operates over the Verizon Wireless network only. Instant Messages are sent as text (SMS) messages. To use IM applications, you must be subscribed to TXT messaging, and text messages will be charged according to your subscription.

Once you sign in to the service, you will continue to receive messages until you send the sign-off command, or until you are logged off by the instant messaging service provider.

1. From the Home screen, select **Applications** ➔ **IM**.
2. Follow the prompts to select your IM provider and sign in. Use the provider's on-screen functions to send and receive messages.

Voice Mail

All unanswered calls to your phone are sent to voice mail, even if your phone is turned off, so you'll want to set up your voice mail and personal greeting as soon as you activate your phone.

Setting up Voice Mail

1. From the Home screen, touch **Phone**.
2. On the Keypad, dial *86, then touch .

   – or –

   Touch and hold 1 to dial the Voice Mail speed dial.
3. Follow the automated instructions to set up your new password and record a greeting.

Checking Voice Mail

1. From the Home screen, touch **Phone**.
2. On the Keypad, dial *86, then touch .

   – or –

   Touch and hold 1 to dial the Voice Mail speed dial.
3. Follow the automated instructions to manage voice mail.

Tip: You can also access voice mail from the **Voice Mail** app.

Visual Voice Mail

Use Visual Voice Mail to view voice mail details right on your phone. You can choose messages to retrieve, without listening to all messages.

Note: Visual Voice Mail requires a subscription. The first time you launch Visual Voice Mail, you'll be prompted to subscribe. For more information about subscription rates, contact Verizon Wireless.

- From the Home screen, touch **Voice Mail**.

  – or –

  From the Home screen, touch **Applications** → **Voice Mail**.

Browser

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

▶ From the Home screen, select **Browser**.

Navigating the web

Command Keys

- Press the **Back Key** to return to the previous page.
- To go forward, press the **Menu Key**, then touch **Forward**.

Touching and dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering text in a field

- While browsing, touch a text field to enter text in the field.

Zoom

- Tap the screen twice to zoom in or out.

Selecting items on a page

While browsing pages, use gestures and menus to navigate:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink for options.

Entering a URL

Access a website quickly by entering the URL.

1. From the Home screen, select **Browser**.
2. Touch the **URL** field at the top of the screen, then enter the URL.
3. As you enter characters, potential matches display. Continue entering characters, or touch a match to complete the URL, then touch **Go** to load the page.

Copying text

Copy information from a web page.

1. From the Home screen, select **Browser**.
2. Browse to the desired website.
3. Touch and hold on the text to enable the text selector, then use the onscreen tools.

Using Browser Windows

You can have multiple windows open at one time, and you can switch between windows.

1. From the Home screen, select **Browser**.
2. To open a new window, press the **Menu Key**, then touch **New window**.
3. To switch to another open window, press the **Menu Key**, then touch **Windows**. Touch a window to display it.
4. To close a window, press the **Menu Key**, then touch **Windows**. Touch **Close** beside a window to close it.

Using Bookmarks

While browsing, bookmark a site to quickly access it later.

Creating a bookmark

1. From the Home screen, select **Browser**.
2. Browse to the desired website, then touch **Bookmarks**.
3. The new website is displayed as a thumbnail with the command **Add**. Touch the bookmark to add it.
4. At the **Add bookmark** prompt, confirm the Name and Location for the bookmark, then touch **OK** to save it.

Accessing bookmarks and history

Launch a bookmarked page, or reload recent pages.

1. From the Home screen, select **Browser**.
2. Touch **Bookmarks** next to the **URL** field.
3. On the tabs, use these options:
   - Touch an item to load the page.
   - Touch and hold on an item for options.
   - Press the **Menu Key** for more options.

Browser Menu

1. From the Home screen, select **Browser**.
2. While viewing a web page, press the **Menu Key** for options:
   - **New window**: Open a new browser window. The previous browser windows remain open in the background (use the Windows option to switch between windows).
   - **Windows**: Switch between windows, or open a new window.
   - **Brightness setting**: Adjust the screen brightness, if the Brightness setting is not set to Automatic.
   - **Refresh**: Update the current page's content from the server.
   - **Forward**: Move forward to a previously-viewed page.
   - **More**: Access more browser settings.

Google Search

Use Google to search the Web, and for content on your phone.

Tip: Google Search is available as a widget. For more information about Widgets, see *"Adding Widgets to the Home screen"* on page 29.

1. From the Home screen, press the **Search Key**.
   – or –
   From the Home screen, touch **Applications** ➔ **Google Search**.
2. Enter search criteria. Search results display automatically. Touch a search result to display it in a browser window.
3. To choose items for searching, press the **Menu Key** for settings.

Google Maps

Use Google Maps to find your current location, get directions, and other location-based information. The Google Maps shortcut appears by default on the Home screen.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see *"Location & security"* on page 122.

- From the Home screen, touch **Maps**.
  – or –
  From the Home screen, touch **Applications** ➔ **Maps**.

Tip: A shortcut to Maps appears on the Main Home screen by default.

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- Touch Zoom in or Zoom out.

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch

- Touch an icon on the map to display information about the location.

Latitude

Use Google Latitude to locate your friends on a map, and share or hide your location.

- From the Home screen, touch **Applications** ➔ **Latitude**.

Navigation

Use Google Navigation to search for locations, and get turn-by-turn directions.

Note: You must enable location services to use Navigation, and some features require Standalone or Google location services. For more information, see *"Location & security"* on page 122.

- From the Home screen, touch **Applications** ➔ **Navigation**.

Places

Google Places uses your location to help you find destinations.

Note: You must enable location services to use Navigation, and some features require Standalone or Google location services. For more information, see *"Location & security"* on page 122.

- From the Home screen, touch **Applications** ➔ **Places**.

YouTube

View and upload YouTube videos, right from your phone.

- From the Home screen, select **Applications** ➔ **YouTube**.

Music Player

Music Player plays songs from an installed memory card.

Note: SRS CS Headphone™ delivers a 5.1 surround sound experience over standard headphones or earbuds when listening to multichannel content, such as DVD movies.

WOW HD™ significantly improves the playback quality of audio, delivering a dynamic 3D entertainment experience with deep, rich bass and high frequency clarity for crisp detail.

1. From the Home screen, select **Applications** ➔ **Music Player**.
2. Music Player scans your memory card and displays your songs on the **All**, **Playlists**, **Albums**, or **Artists** tabs.
3. Touch a song or playlist to begin playback.

4. During playback, use the sound and playlist controls:

- **Volume**: Touch to activate on-screen volume control, then touch and drag on the scale to set volume. You can also press the Volume Key on the side of the phone to adjust playback volume.
- **Shuffle**: When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.
- **Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.
- **List / Now Playing**: Touch **List** to switch to a list view of songs. Touch **Now Playing** to display the current song title and details.
- **5.1 Channel Mode**: When listening with optional headphones, touch to enable 5.1 Channel Mode for stereo sound.
- **Playback controls**:
  - Touch ▶▶| to advance to the next song. Touch and hold ▶▶| to scan forward through the current song.
  - Touch |◀◀ to go back to the previous song. Touch and hold |◀◀ to scan backward through the current song.
  - Touch ❚❚ to pause playback. Touch ▶ to resume playback.

Tip: When you're playing music in the background, playback controls are available in the Notification Panel. For more information, see *"Notification Panel"* on page 23.

Creating a Playlist

1. From the Home screen, select **Applications** → **Music Player** → **Playlists**.
2. Press the **Menu Key** → **Create**.
3. Touch the name field to enter a name for the playlist, then touch **Save**.
4. To add music to the new playlist, touch **Add music**, then select songs and touch **Add**.

Adding Songs to Playlists

Adding a single song to a playlist

1. From the Home screen, select **Applications** → **Music Player**.
2. Touch and hold on a song, then choose **Add to playlist** from the pop-up menu.
3. Choose one of these options:
   - Touch a playlist to add the selected song to the playlist.
   - Touch **Create playlist** to create a new playlist and add the selected song to it.

Adding multiple songs to a playlist

1. From the Home screen, select **Applications** ➔ **Music Player**.
2. Press the **Menu Key** ➔ **Add to playlist**.
3. Touch songs to select them, or touch **Select all**. When selected, a checkmark appears in the checkbox.
4. Touch **Add** , then select a playlist, or touch **Create playlist** to create a new playlist.

Setting a Song as a Ringtone

You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

1. From the Home screen, select **Applications** ➔ **Music Player**.
2. Touch and hold on a song, then touch **Set as** and choose from these options:
   - **Phone ringtone**: Set the song as the default ringtone for all incoming voice calls.
   - **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.
   - **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

Sharing music

You can share music via AllShare, Bluetooth, Email, Gmail, Messaging, V CAST Media Manager, or Wi-Fi.

1. From the Home screen, select **Applications** ➔ **Music Player**.
2. Touch and hold on a song, then select **Share music via** from the pop-up menu.
3. Select a sharing method, then follow the prompts.

Manage and Transfer Media

Your phone is compatible with V CAST™ Media Manager. The desktop application, offered free by Verizon Wireless, allows you to transfer photos, music and videos between your phone and computer. Once the desktop application is installed, simply connect your phone and computer with a USB cable, and V CAST Media Manager makes it easier than ever to transfer, play and manager you media. The application also includes a media player and an array of intuitive features to help you manage and enjoy your media.

To get started, visit www.verizonwireless.com/vmm.

V CAST Music

Browse, purchase and download songs from the V CAST catalog.

Note: Airtime or download charges may apply for using V CAST Music.

1. From the Home screen, select **Applications** ➔ **V CAST Music**.
2. The first time you launch V CAST Music, you'll be prompted to create a profile. Follow the prompts to install and use V CAST Music.

Slacker Radio

Listen to your personal Slacker radio station, on your device.

Note: You must have a Slacker account to use the Slacker Radio application. For more information, visit www.slacker.com.

- From the Home screen, touch **Applications** ➔ **Slacker**.

Tip: Slacker Radio is also available as a Widget, to control your Slacker Radio station from the Home screen. For information about widgets, see *"Adding Widgets to the Home screen"* on page 29.

Camera

Use your phone's built-in Camera to take pictures and record video.

▶ From the Home screen, touch **Applications** ➔ **Camera**.

Important!: Do not take take photos of people without their permission. Do not take photos in places where cameras are not allowed. Do not take photos in places where you may interfere with another person's privacy.

Taking Pictures

1. From the Home screen, touch **Applications** ➔ **Camera**.
2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
   - Touch the screen to focus on the area you touched.
   - Press the **Volume Key**, to zoom in or out (zoom is not available for all resolutions).
   - To configure settings, see *"Camera Options"* on page 78.
3. To take the picture, touch the **Camera** button.
4. After taking a picture, touch **Image Viewer** to view the picture. While viewing the picture, use these options:
   - "Pinch" the screen, or touch the zoom icons, to zoom in or out, or double-tap to zoom all the way in or out.
   - Touch **Delete** to erase the picture.
   - Touch **Share** to send the picture.
   - Touch **Set as** to assign the picture as a contact icon, or as wallpaper.
   - Press the **Back Key** to return to the Camera to take more pictures.

Camera Options

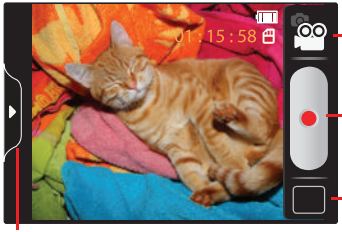
Touch the **Options** tab to configure the camera:

- **Self portrait**: Switch to the front camera lens, for self-portraits.
- **Shooting mode**: Choose an automatic shooting mode, from:
  - **Single shot**: Take a single photo.
  - **Continuous**: Touch and hold the Camera button to take 9 consecutive pictures.
  - **Panorama**: Touch the Camera button to take a picture, then use the on-screen guideline to move the viewfinder and take the next 7 shots automatically.
  - **Add me**: Take one picture, then use the on-screen guideline to compose and take a second picture, to combine into one.
  - **Action shot**: Detects action to automatically take multiple pictures to create a panorama.
  - **Cartoon**: Apply a cartoon effect to pictures.
- **Flash**: Choose Off, On, or Auto flash.
- **Exposure value**: Choose a value to set the brightness of the picture.
- **Settings → Camera**
  - **Focus mode**: Choose a type of automatic focus.
  - **Scene mode**: Choose a mode to match conditions.
  - **Timer**: Set a delay before taking a picture.
  - **Resolution**: Choose a resolution for the image.
  - **White balance**: Choose a setting for the light source.
  - **Effects**: Apply an effect to pictures.
  - **ISO**: Choose a setting for imaging sensitivity.
  - **Metering**: Select a method for measuring light.
  - **Auto contrast**: Allow automatic light/dark adjustment.
  - **Blink detection**: Detect a subject's eye blinks for a captured image.
  - **Image quality**: Choose a quality setting for photos.
  - **Adjust**: Set Contrast, Saturation, and Sharpness.
- **Settings → Settings**
  - **Guidelines**: Enable or disable an on-screen grid to aid in photo composition.
  - **Review**: Enable or disable the instant review feature, to display images immediately after capture.
  - **Shutter sound**: Select a tone to play when the camera's shutter opens and closes.
  - **GPS**: Add GPS location information to photo details.
  - **Reset**: Set all Camera settings to the defaults.

Camcorder

Use your phone's built-in Camcorder to record video.

- From the Home screen, touch **Applications** ➔ **Camera** ➔ **Mode**.



Important!: Do not take take videos of people without their permission. Do not take videos in places where cameras are not allowed. Do not take videos in places where you may interfere with another person's privacy.

Capturing Video

1. From the Home screen, touch **Applications** ➔ **Camera** ➔ **Mode**.
2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject.
   - Press the **Volume Key**, to zoom in or out.
   - To configure settings, see *"Camcorder Options"* on page 80.
3. To start recording, touch the **Record** button. During recording, the button changes to **Pause**; touch **Pause** to temporarily stop recording. To resume recording, touch **Record** again.
4. To stop recording, touch the **Stop** button.
5. After recording, touch **Image Viewer** to view the video. While viewing the video, use these options:
   - Pinch the screen to zoom in or out, or double-tap to zoom all the way in or out.
   - Touch **Share** to send the video.
   - Touch **Play** to review the video.
   - Touch **Delete** to erase the video.
   - Press the **Back Key** to return to the Camcorder to record more videos.

Camcorder Options

Configure the camcorder.

- While in Camcorder mode, touch the **Options** tab:
  - **Self recording**: Record video with the front lens.
  - **Recording mode**: Choose a recording mode, from:
    - **Normal**: Record a video of any length.
    - **Limit for MMS**: Record a video up to 1 minute, or 1175KB, suitable for sending in a Video message.
  - **Flash**: Choose Off or On.
  - **Exposure value**: Choose a value to set the brightness.
  - **Settings** → **Camcorder**:
    - **Timer**: Set a delay before starting recording.
    - **Resolution**: Choose a size for the recording.
    - **White balance**: Choose a setting for the light source.
    - **Effects**: Apply an effect to videos.
    - **Video quality**: Choose a quality setting for videos.
    - **Adjust**: Set Contrast, Saturation, and Sharpness.
  - **Settings** → **Settings**
    - **Guidelines**: Enable to display a grid to aid in video composition.
    - **Audio recording**: Enable to record sound along with video.
    - **Review**: Enable to display videos immediately after recording.
    - **Reset**: Set all Camcorder settings to the defaults

Video Player

Use Video Player to view and manage videos stored on an installed memory card, or shop for new videos.

1. From the Home screen, touch **Applications** → **Video Player**.
2. By default, videos display by name. While viewing the list of videos, press the **Menu Key** for options.
3. Touch a video to play it. While playing a video, touch the screen to display or hide on-screen Forward, Pause, Back playback controls.
4. While playing a video press the **Menu Key** for options.

Blockbuster

Browse and search the entire mobile catalog of Blockbuster On Demand titles, plus access other Blockbuster content.

- From the Home screen, touch **Applications** → **Blockbuster**.

Gallery

Use Gallery to view, capture, and manage pictures and videos.

Note: You must havea memory card installed to take pictures or capture video. For more information, see *"Memory Card"* on page 14.

▶ From the Home screen, select **Applications** ➔ **Gallery**.

Viewing Videos

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a video to play it.
3. While viewing videos, press the **Menu Key** for options.

Viewing Pictures

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to view it.
3. While viewing a picture, tap on the the screen or press the **Menu Key** for options.

Sharing pictures and video

You can share pictures and videos via Email, Messaging, Bluetooth or popular sharing services.

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category to display thumbnails, then select items for sharing:
   - To select an entire category, touch the **Menu Key** while viewing categories, then touch the category to select all pictures in the category.
   - To select multiple pictures or videos from a category, press the **Menu Key** while viewing the thumbnails. Touch thumbnails to mark them for sharing, then touch **Share**.
3. Touch an option, then follow the prompts.

Setting a Picture as a Contact Icon

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Press the **Menu Key** ➔ **More** ➔ **Set as** ➔ **Contact icon**.
4. Select a contact, or create a new contact, with the selected picture as the contact's icon.

Setting a Picture as Wallpaper

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Press the **Menu Key** ➔ **More** ➔ **Set as** ➔ **Home screen Wallpaper**.
4. Use the crop tool to edit the picture, then touch **Save** to set the edited picture as the Home screen wallpaper.

Your phone includes features to connect to the internet and to other devices.

Wi-Fi

Wi-Fi® is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wireless Access Point (WAP). WAPs can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your phone supports the 802.11 a/b/g/n Wi-Fi protocol.

Wi-Fi Enhanced Connectivity

By default, this smartphone has Wi-Fi turned on out of the box. When you launch certain data enabled apps (like the browser), the device scans for available networks. If networks are found, you will be prompted to connect to an available Wi-Fi network.

- When prompted, touch a Wi-Fi network to connect. You will be asked to confirm your selection, touch **Yes**. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.
- If you do not want to connect to a Wi-Fi network, touch **Do not use Wi-Fi, remind me later**.

Note: If you do not want to be prompted to connect to new Wi-Fi networks, uncheck the **Notify Me** check box within the **Wi-Fi Settings** menu.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi® settings.

Notify me

You can set the Notify me option to have your device alert you to nearby wireless access points when you launch an application that uses data, to give you the option of using Wi-Fi® for the connection. For more information, see *"Wi-Fi Settings"* on page 107.

Turning Wi-Fi On or Off

When you turn Wi-Fi® service on, your phone automatically searches for available, in-range WAPs (Wireless Access Points).

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔**Wi-Fi settings**.
2. Touch **Wi-Fi** to turn Wi-Fi On or Off. When on, a check appears in the checkbox.

Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi®, your phone searches for available Wi-Fi connections, then displays them on screen.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔**Wi-Fi settings**.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. When your phone completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔**Wi-Fi settings**.
2. Touch **Wi-Fi** to turn Wi-Fi® On.
3. On the pop-up Wi-Fi settings menu, touch **Add Wi-Fi network**, then enter these fields:
   - **Network Name (SSID)**: Enter the name of the Wi-Fi Wireless Access Point.
   - **Security**: Select the type of security used by the WAP.
   - **Key (Passphrase)**: If the WAP is secured, enter the password or key.

Adding a Wi-Fi Network using WPS

Some wireless access points provide connections via the Wi-Fi® Protected Setup (WPS) standard, which provides easy and secure setup and connection. To use the your phone's WPS setting, the wireless access point must support WPS.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔**Wi-Fi settings**.
2. Check to see that your phone's Wi-Fi service is on. If it is not on, touch **Wi-Fi** to turn Wi-Fi On.
3. Touch **WPS button connection**.
4. Within 2 minutes, press the WPS button on the wireless access point.
5. Follow the prompts to complete the setup.

Wi-Fi Direct

Wi-Fi Direct is a standard that allows devices to connect to each other directly via Wi-Fi®, without a wireless access point or hotspot. For example, some printers support Wi-Fi Direct, and you could connect to a printer via Wi-Fi Direct to print from your phone.

Turning Wi-Fi Direct On or Off

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔**Wi-Fi Direct settings**.
2. Touch **Wi-Fi Direct** to turn Wi-Fi On or Off. When On, a checkmark appears in the box.

Scanning and Connecting to a Wi-Fi Direct Device

When you turn on Wi-Fi Direct, your phone scans for nearby available Wi-Fi Direct devices, then displays them.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔**Wi-Fi Direct settings**.
2. Touch **Wi-Fi Direct** to turn Wi-Fi On.
3. When your phone completes a scan, touch a Wi-Fi Direct device to connect, then follow the prompts to complete the connection.

Mobile Hotspot

Use Mobile Hotspot to share your phone's internet connection with a PC or other device through Wi-Fi®, using your phone as the mobile hotspot.

Note: Mobile Hotspot requires Mobile Hotspot service, available from Verizon Wireless. While the Mobile Hotspot is active, your phone's applications will use the Mobile Hotspot data feature allowance.

Configuring Mobile Hotspot Settings

Configure your phone's Mobile Hotspot settings, including your phone's name and password, and set the visibility of your phone's Wi-Fi hotspot.

For more information, see *"Mobile Hotspot Network Settings"* on page 109.

Activating Mobile Hotspot

Activate your phone's Mobile Hotspot application to allow other devices to use your phone's internet connection.

1. From the Home screen, select **Applications** ➔ **Mobile Hotspot**.
2. Touch **Mobile Hotspot** to turn the service on. Read the information about Mobile Hotspot, then touch **Continue** to proceed.
3. Mobile Hotspot consumes battery power. Read the information about battery usage, then touch **Turn on Mobile Hotspot** to proceed.
4. Your phone establishes a connection to the network for the mobile hotspot service.
5. Activate Wi-Fi® on your PC or other device, then follow the prompts on your phone and device to connect.

Tip: Your phone's default password is your phone number. For more information, see *"Mobile Hotspot Network Settings"* on page 109.

6. When you are finished using Mobile hotspot, touch **Mobile Hotspot** to turn the service off.

Connecting a Device via Mobile Hotspot

Use the other device's Wi-Fi® control to connect to your phone's Mobile Hotspot.

1. Activate Mobile Hotspot on your phone. For more information, see *"Activating Mobile Hotspot"* on page 87.
2. Activate Wi-Fi on the device, using the device's Wi-Fi control.
3. Scan for Wi-Fi hotspots, and select your phone from the list. To find your phone's name, see *"Mobile Hotspot Network Settings"* on page 109.
4. At the prompt, enter your phone's Mobile Hotspot password. By default, the password is your phone's telephone number. For more information, see *"Mobile Hotspot Network Settings"* on page 109.

Bluetooth

Note: For Hearing Aid Compatibility Information, see page 161.

Bluetooth® is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Configuring Bluetooth Settings

Configure your phone's Bluetooth® settings. For more information, see *"Bluetooth settings"* on page 111.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your phone supports, see *"Bluetooth profiles"* on page 110.

Turning Bluetooth On or Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth® On or Off.

Pairing with a Bluetooth Device

Search for a Bluetooth® device and pair with it, to exchange information between your phone and the device. After pairing, your phone and the target device will recognize each other and exchange information without a passcode or PIN.

Note: When Bluetooth is turned on, the **Bluetooth** icon displays in the Status bar. After pairing with another device, the **Bluetooth Connected** icon displays in the Status bar.

If you receive a new pairing request while paired with a Bluetooth headset, a new Bluetooth icon appears in the Status bar and the Notification panel displays the pairing request.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Bluetooth settings**.
2. Touch **Bluetooth** to turn on Bluetooth.
3. Activate the target device's discoverable mode.
4. Touch **Scan devices**.
5. From the list of scanned devices, touch the target device, then follow the prompts to complete the pairing:
   - If the target device requires a PIN, enter a PIN for the target device and touch OK. When prompted, enter the PIN on the target device.
   - If the device allows automatic or smart pairing, your phone will attempt to pair with the phone automatically. Follow the prompts on your phone and the target device to complete the pairing.

Tethering

Internet connection mode

Use your device's Internet connection mode to share your device's mobile data connection with a computer that is "tethered" to your device via USB cable.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Internet connection mode**.
2. Connect the computer to the phone via USB cable.
3. Touch **Internet connection mode** to turn tethering On or Off. When On, a check appears in the checkbox.

Note: Touch **Help** for information about tethering.

VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

Configure your phone's VPN settings. For more information, see *"VPN settings"* on page 112.

Adding a VPN

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
   - **Add PPTP VPN**: Set up a connection to a VPN with Point-to-Point tunneling protocol.
   - **Add L2TP VPN**: Set up a connection to a VPN with Layer 2 tunneling protocol.
   - **Add L2TP/IPSec PSK VPN**: Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
   - **Add L2TP/IPSec CRT VPN**: Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 32GB capacity, for storage of music, pictures, videos, and other files.

Installing and Removing a Memory Card

For more information about installing and removing a memory card, see *"Memory Card"* on page 14.

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

Formatting a Memory Card

Formatting erases all content from the memory card and prepares it for use with your phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **SD card & phone storage**
2. Touch **Unmount SD card**.
3. After unmounting the SD card, touch **Format SD card**, then follow the prompts to confirm the formatting of the card.

Transferring Files to a Memory Card

Connect your device to a PC, to transfer files between an installed memory card and the PC.

You can choose how your phone responds when you connect it to a PC by USB cable: Mass storage mode, ready for transferring files, Internet connection mode, to allow another device to use the phone's data connection, or Ask on plug, to give you the opportunity to set each connection. For more information, see *"USB Settings"* on page 133.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **USB Settings** ➔**USB mode** ➔ **Mass storage mode**.
2. Attach your phone to the computer with a USB cable. Your phone recognizes the connection and displays the **USB** icon and the **USB mass storage** screen.
3. On the **USB mass storage** screen, touch **Connect storage to PC** to enable copying of files between your computer and the memory card.
4. At the prompt on the computer, select a transfer method.
5. Transfer files to the memory card. When finished, you can disconnect the USB cable.

AllShare

Use AllShare to share multimedia content from your device via Wi-Fi with DLNA (Digital Living Network Alliance) certified devices. With AllShare, you can:

- Play multimedia content from your device on another player, such as a Wi-Fi-capable TV or other playback device.
- Play multimedia content from another source, such as a wireless media server, on your device.
- Play multimedia content from another source, such as a wireless media server, on another device. Your device retrieves content from the source and delivers it to another device via Wi-Fi, and acts as a remote to control playback.

Note: Note: AllShare uses your device's Wi-Fi feature. For more information about using Wi-Fi, see *"Wi-Fi"* on page 83.

Configuring AllShare

Configure AllShare settings to identify your device as a server, connect to Wi-Fi, and set treatment of copied files.

1. From the Home screen, select **Applications** → **AllShare**.
2. Touch **Settings** to configure settings:
   - **Media server name**: Enter a name for the media server, if desired (the default is your device's default name), then touch **Save**.
   - **Share media**: Choose types of media for sharing, from **Share picture**, **Share video**, or **Share audio**, then touch **OK**.
   - **Access point network**: Turn on your Wi-Fi service and connect to an available Wi-Fi Access Point.
   - **Copy from other devices**: Set your device's treatment of files copied from other devices. Choose from **Always accept**, **Always ask**, or **Always reject**, then touch **OK**.

Playing or Downloading from your Phone on a Player

Play multimedia content from your device on another player, such as a Wi-Fi-capable TV or other playback device, and use your device as a remote to control playback.

1. From the Home screen, select **Applications** ➔ **AllShare**.
2. Touch **Play or download media from my phone on a player**.
3. Select media, then touch **Add to playlist** or **Copy**.
4. Select a device for playback and follow the prompts.

Playing or Downloading Media From a Server

Play multimedia content from another source, such as a wireless media server, on your device.

1. From the Home screen, select **Applications** ➔ **AllShare**.
2. Touch **Play or download media from a server on my phone**.
3. Select the media server.
4. Select media to play, then follow the prompts to start playback.

Playing Media From a Server on a Player via Your Device

Play multimedia content from another source, such as a wireless media server, on another device, using your device's Wi-Fi service. Your device retrieves content from the source and delivers it to the device via Wi-Fi, and acts as a remote control.

1. From the Home screen, select **Applications** ➔ **AllShare**.
2. Touch **Play media from a server on a player, controlled by my phone**.
3. Select a server with media.
4. Select media, then touch **Add to playlist** or **Copy**.
5. Select a device to play the media.

Amazon Kindle

Use the Amazon Kindle™ application to download books for reading, right on your phone.

Note: You must be registered with Amazon to use the Kindle application.

▶ From the Home screen, touch **Applications** ➔ **Amazon Kindle**.

Backup Assistant

Backup Assistant is a free wireless service that saves a copy of your Contacts to a secure web site. If your phone is lost, stolen or damaged, Backup Assistant can restore your saved contacts to a new phone, wirelessly. You can schedule backups to save your information manually or automatically. Log in to your web account for full access to your contacts for viewing, printing, adding, deleting and editing.

Note: Subject to specific terms of use. Results may vary based on backup schedule and other factors.

See www.verizonwireless.com/backupassistant for more details.

- From the Home screen, touch **Contacts**, then press the **Menu Key** to select **Backup**.

  – or –

  From the Home screen, touch **Applications** ➔ **Backup Assistant**.

  – or –

  From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync** ➔ **Backup Assistant**.

Blockbuster

Browse and search the entire mobile catalog of Blockbuster On Demand titles, plus access other Blockbuster content.

- From the Home screen, touch **Applications** ➔ **Blockbuster**.

Note: The first time you launch Blockbuster, you are prompted to download the Blockbuster application from Android Market. For more information about Android Market, see *"Market"* on page 98.

Books

Browse and search the Google Books library, to read eBooks on your phone.

- From the Home screen, touch **Applications** ➔ **Books**.

Browser

Your phone includes a full HTML Browser, to access the internet.

For more information about using Browser, see *"Browser"* on page 69.

- From the Home screen, select **Applications** ➔ **Browser**.

Calculator

Use Calculator to perform mathematical calculations.

▶ From the Home screen, select **Applications** ➔ **Calculator**.

Calendar

Record events and appointments to manage your schedule.

1. From the Home screen, select **Applications** ➔ **Calendar**.
2. Touch a tab to choose a calendar view:
   - **Month**: Display the current month and scroll to other months.
   - **Week**: Display the current week, and scroll to other weeks.
   - **Day**: Display today's schedule, and scroll to other days.
   - **List**: Display events in a chronological list.
3. Press the **Menu Key** for these options:
   - **Search**: Search for calendar events.
   - **Create**: Add a new event to the calendar.
   - **Go to**: Display a specific date.
   - **Today**: Display today's events.
   - **Delete**: Delete an event.
   - **Settings**: Customize the calendar.

Customizing the Calendar

1. From the Home screen, select **Applications** ➔ **Calendar**.
2. Press the **Menu Key**, then touch **Settings** to configure settings.

Sending Events

Send events as vCalendar files to other Bluetooth devices.

1. From the Home screen, select **Applications** ➔ **Calendar**.
2. Touch an event to display its details.
3. Press the **Menu Key**, then touch **Send via**.
4. Choose a method for sending:
   - **Bluetooth**: Follow the prompts to select a paired device, or pair with a new device. For more information, see *"Pairing with a Bluetooth Device"* on page 88.
   - **Email**: Attach the vCalendar file to an email.

Camera

Take pictures and record video with your phone's built in Camera. For more information, see *"Camera"* on page 77.

- From the Home screen, touch **Applications** ➔ **Camera**.

City ID

Subscribe to City ID to display city and state for incoming calls, and to look up city and state information for phone numbers.

Note: City ID requires a subscription, after a limited free trial.

- From the Home screen, select **Applications** ➔ **City ID**.

Clock

The Clock application includes these features:

- **Alarm**: Create alarms to go off once, or to repeat.
- **World clock**: Display the time and date in any time zone.
- **Stopwatch**: Record lap times.
- **Timer**: Measure elapsed time.

- From the Home screen, touch **Applications** ➔ **Clock**.

Desk Cradle

The Desk Cradle application gives you one-touch access to the Alarm, Voice Search, Gallery, Browser and Music Player applications while connected to an optional desk cradle.

- From the Home screen, touch **Applications** ➔ **Desk Cradle**.

Downloads

View and manage files you download to your phone.

- From the Home screen, touch **Applications** ➔ **Downloads**.

Email

Send and receive email using popular email services. For more information, see *"Email"* on page 64.

- From the Home screen, select **Applications** ➔ **Email**.

Gallery

Use Gallery to view, capture, and manage pictures and videos.

For more information, refer to *"Gallery"* on page 81.

- From the Home screen, select **Applications** ➔ **Gallery**.

Gmail

Send and receive emails via Gmail, Google's web-based email.

For more information, see *"Gmail"* on page 66.

- From the Home screen, select **Applications** ➔ **Gmail**.

Google Search

Use Google to search the Web, and for content on your phone.

Tip: Google Search is available as a widget. For more information about widgets, see *"Adding Widgets to the Home screen"* on page 29.

- Press the **Search Key**.

  – or –

  From the Home screen, touch **Google Search**.

  – or –

  From the Home screen, touch **Applications** ➔ **Google Search**.

Note: Use Search settings to configure Google Search. For more information, see *"Search"* on page 134.

Guided Tours

Get information about using your phone, including videos, useful tips, and other information.

- From the Home screen, touch **Guided Tours**.

  – or –

  From the Home screen, touch **Applications** ➔ **Guided Tours**.

IM

Use IM to send and receive instant messages via popular services.

Note: Create the Instant Messaging account on your PC before accessing it with your phone.

- From the Home screen, select **Applications** ➔ **IM**.

Important!: IM operates over the Verizon Wireless network only.

Latitude

Use Google Latitude to locate your friends on a map, and share or hide your location.

- From the Home screen, touch **Applications** ➔ **Latitude**.

Let's Golf 2

Play the popular game on your phone.

- From the Home screen, touch **Applications** ➔ **Let's Golf 2**.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see *"Location & security"* on page 122.

- From the Home screen, touch **Maps**.

  – or –

  From the Home screen, touch **Applications** ➔ **Maps**.

Market

Browse for new Android applications, games or downloads for your phone. You'll need to have a Google account set up on your phone to download a new application.

1. From the Home screen, select **Applications** ➔ **Market**.
2. The first time you open Market, read the Terms of Service, then touch **Accept** to continue.
3. Browse for applications to download, then follow the prompts.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Browse the latest movies and TV shows, then rent or purchase the media for viewing on your phone.

Note: Media Hub service requires a Media Hub account, and depends on service availability.

1. From the Home screen, select **Applications** ➔ **Media Hub**.

   – or –

   From a Home screen, touch the **Media Hub** shortcut.
2. To rent or buy media, you must have a Media Hub account. Press the **Menu Key**, then touch **My Account** to log in or create an account.
3. Browse content, then follow the prompts to buy or rent.

Memo

Create and manage text memos, and send memos via Bluetooth to paired Bluetooth devices.

▶ From the Home screen, select **Applications** ➔ **Memo**.

Note: To send a memo via Bluetooth, save the memo, then touch and hold on the Memo for options. For more information, see *"Bluetooth"* on page 88.

Mobile Hotspot

Use Mobile Hotspot to share your phone's mobile internet connection with a PC through Wi-Fi, using your phone as the mobile hotspot.

For more information, see *"Mobile Hotspot"* on page 86.

▶ From the Home screen, touch **Applications** ➔ **Mobile Hotspot**.

Music Player

Play music files from an installed memory card.

For more information, see *"Music Player"* on page 73.

▶ From the Home screen, select **Applications** ➔ **Music Player**.

My Files

Find, view and manage files stored on an installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From the Home screen, touch **Applications** ➔ **My Files**.
2. Tap a folder and scroll down or up until you locate a file.
3. Touch a file to launch it in the associated application (if the file is associated with an application).
4. While browsing files, use these controls:
   - Touch **Up** to go back up to a higher directory.
   - Touch **Home** to go back to the root directory.
   - Press the **Menu Key** for options.

My Verizon Mobile

View details and manage your Verizon Wireless account.

Note: You can use the Data usage widget to view your data usage and access My Verizon Mobile from the home screen. For information about widgets see *"Adding Widgets to the Home screen"* on page 29.

No airtime or minute charges apply when accessing My Verizon Mobile.

- From the Home screen, touch **Applications** ➔ **My Verizon Mobile**.

Navigation

Use Google Navigation to search for locations, and get turn-by-turn directions.

Note: You must enable location services to use Navigation, and some features require Standalone or Google location services. For more information, see *"Location & security"* on page 122.

- From the Home screen, touch **Applications** ➔ **Navigation**.

NFL Mobile

Play the popular game on your phone.

- From the Home screen, touch **Applications** ➔ **NFL Mobile**.

NFS Shift

Play the popular Need For Speed: Shift game, right on your phone.

- From the Home screen, touch **Applications** ➔ **NFS Shift**.

Places

Google Places uses your location to help you find nearby destinations, such as restaurants, bars, hotels, attractions, ATMs and gas stations, or you can enter a location.

Note: You must enable location services to use Places, and some features require Standalone or Google location services. For more information, see *"Location & security"* on page 122.

- From the Home screen, touch **Applications** ➔ **Places**.

Quickoffice

Use Quickoffice to create and save Microsoft Word, Excel, and Powerpoint documents. You can also view existing PDFs.

- From the Home screen, touch **Applications** ➔ **Quickoffice**.

Settings

Configure your phone to your preferences. For more information, see *"Settings"* on page 106.

- From the Home screen, touch **Applications** ➔ **Settings**.

Setup Wizard

You can use the Setup Wizard to quickly configure your phone.

- From the Home screen, touch **Applications** ➔ **Setup Wizard**.

Slacker Radio

Listen to your personal Slacker radio station, on your device.

Note: You must have a Slacker account to use the Slacker Radio application. For more information, visit www.slacker.com.

- From the Home screen, touch **Applications** ➔ **Slacker**.

Tip: Slacker Radio is also available as a Widget, to control your Slacker Radio station from the Home screen. For information about displaying widgets, see *"Adding Widgets to the Home screen"* on page 29.

Talk

Use Google Talk to chat with other Google Talk users. For more information, see *"Google Talk"* on page 66.

- From the Home screen, touch **Applications** ➔ **Talk**.

Task Manager

View and manage active applications on your phone. For more information, see *"Task Manager"* on page 13.

- From the Home screen, touch **Applications** ➔ **Task Manager**.

V CAST Media Manager

Use the V CAST Media Manager app to preview, download and purchase media from the V CAST library, right from your phone.

For more information about V CAST Media Manager, visit www.verizonwireless.com/vmm.

Note: Airtime or download charges may apply for using V CAST Media Manager.

1. From the Home screen, select **Applications** ➔ **V CAST Media**.
2. The first time you launch V CAST Media Manager, you'll be prompted to subscribe to the service. Follow the prompts to install and use V CAST Media Manager.

V CAST Music

Browse, purchase and download songs from the V CAST catalog.

Note: Airtime or download charges may apply for using V CAST Music.

1. From the Home screen, select **Applications** ➔ **V CAST Music**.
2. The first time you launch V CAST Music, you'll be prompted to create a profile. Follow the prompts to install and use V CAST Music.

V CAST Tones

Preview, purchase, and download ringtones and ringback tones.

Note: Airtime or download charges may apply for using V CAST Tones.

1. From the Home screen, select **Applications** ➔ **V CAST Tones**.
2. The first time you launch V CAST Tones, you'll be prompted to subscribe to the service. Follow the prompts to install and use V CAST Tones.

V CAST Videos

Browse and download movies from the V CAST library.

Note: Airtime or download charges may apply for using V CAST Videos.

1. From the Home screen, select **Applications** ➔ **V CAST Videos**.
2. The first time you launch V CAST Videos, you'll be prompted to subscribe to the service. Follow the prompts to install and use V CAST Videos.

Video Player

View and manage videos stored on an installed memory card.

For more information, see *"Video Player"* on page 80.

▶ From the Home screen, touch **Applications** ➔ **Video Player**.

Voice Dialer

Use Voice Dialer to make calls, and to launch other phone features.

1. From the Home screen, touch **Applications** ➔ **Voice Dialer**.
2. "Listening" displays on screen, with a prompt to speak a command. Follow the voice prompts or touch an option.

   Voice Dialer commands include:

   - **Call <Name or #>**: Call an entry in your Contacts list or a spoken phone number.
   - **Dial <Name or #>**: Call an entry in your Contacts list or a spoken phone number.
   - **Redial <Name or #>**: Repeat a recent call.
   - **Open <App Name>**: Open an application.

Voice Mail

Use Visual Voice Mail to view voice mail details right on your phone. You can choose messages to retrieve, without listening to all messages.

Note: Visual Voice Mail requires a subscription. The first time you launch Visual Voice Mail, you'll be prompted to subscribe. For more information about subscription rates, contact Verizon Wireless.

- From the Home screen, touch **Voice Mail**.

  – or –

  From the Home screen, touch **Applications** ➔ **Voice Mail**.

Note: For more information about setting up and checking voice mail, see *"Voice Mail"* on page 67.

Voice Recorder

Record and share your voice or other sounds.

- From the Home screen, touch **Applications** ➔ **Voice Recorder**.

Voice Search

Voice Search offers voice-activated Google searches.

1. From the Home screen, touch **Applications** ➔ **Voice Search**.
2. The first time you launch Voice Search, follow the prompts to configure your searches.
3. At the **Speak now** prompt, speak your search criteria slowly and clearly. Google searches for the information and displays results.

Note: Voice Search is also available from Google Search and the Google Search widget.

VZ Navigator

Use VZ Navigator® to find, share and navigate to millions of locations, avoid traffic and drive or walk with ease.

Note: VZ Navigator requires service activation. Contact Verizon Wireless for more information.

- From the Home screen, touch **VZ Navigator**.

  – or –

  From the Home screen, touch **Applications** ➔ **VZ Navigator**.

YouTube

View and upload YouTube videos, right from your phone. For more information, see *"YouTube"* on page 72.

- From the Home screen, select **Applications** ➔ **YouTube**.

Section 12: Settings

Accessing Settings

- From the Home screen, press the **Menu Key**, then touch **Settings**.

  – or –

  From the Home screen, touch **Applications** → **Settings**.

Wireless & networks

Control your phone's connections to the wireless network, and to other devices.

Note: Your phone supports Wi-Fi Enhanced Connectivity. For more information, see *"Wi-Fi Enhanced Connectivity"* on page 83.

Wi-Fi Settings

Set up and manage Wireless Access Points (WAPs). Your phone supports Wi-Fi® a/b/g/n.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi® service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range Wireless Access Points (WAPs).

Tip: You can control Wi-Fi from the Notification panel.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Wireless & networks** →**Wi-Fi settings**.
2. Touch **Wi-Fi** to turn Wi-Fi On or Off. When on, a check appears in the checkbox.

Wi-Fi Settings

Set up and manage wireless access points.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Wi-Fi settings**.
2. Touch settings to configure:
   - **Wi-Fi**: Turn Wi-Fi® On or Off.
   - **Notify me**: When turned on, your phone automatically scans for nearby known Wi-Fi networks when you launch high data usage applications, to give you the option of using Wi-Fi for the data connection.
   - **WPS button connection**: Configure the connection to a new wireless access point automatically. For more information, see *"Adding a Wi-Fi Network using WPS"* on page 85.
   - **Add Wi-Fi network**: Manually add a new Wi-Fi connection. For more information, see *"Adding a Wi-Fi Network Manually"* on page 84.
   - **Manage Networks**: Manage your saved network settings.
   - **Search**: Scan for available Wireless Access Points.
   - **Advanced**: View and configure Wi-Fi settings for your phone. For more information, see *"Advanced Wi-Fi settings"* on page 107.

Advanced Wi-Fi settings

▶ From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Wi-Fi settings** ➔ **Advanced**.

- **Wi-Fi sleep policy**: Specify when to switch from Wi-Fi® to mobile data for data communications. This setting can affect the behavior of devices you connect to your phone, such as when tethering or using Mobile Hotspot.
- **MAC address**: View your phone's MAC address, needed for connecting to some secured networks (not configurable).
- **Proxy**: Touch to enter a proxy number.
- **Port**: Touch to enter a port number.
- **IP Settings**: Enable a Static IP address, and manually configure its settings:
  - **Use static IP**: Touch to use a static IP. When enabled, a check mark appears in the checkbox.
  - **IP address**: When using a static IP, enter the IP address.
  - **Gateway**: When using a static IP, enter the Gateway.
  - **Netmask**: When using a static IP, enter the Netmask.
  - **DNS 1**: When using a static IP, enter the DNS 1 value.
  - **DNS 2**: When using a static IP, enter the DNS 2 value.

Wi-Fi Direct settings

Wi-Fi Direct is a standard that allows devices to connect to each other directly via Wi-Fi®, without a wireless access point or hotspot.

For more information about using Wi-Fi Direct,

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Wi-Fi Direct settings**.
2. Touch settings to configure
   - **Wi-Fi Direct**: Turn Wi-Fi Direct On or Off.
   - **Configure Wi-Fi Direct**: Set your phone's device name and password, to be used for Wi-Fi Direct connections only (security for WPS connections is not set here; for more information see *"Adding a Wi-Fi Network using WPS"* on page 85.
   - **Status**: View the phone's current Wi-Fi Direct condition.
   - **Disconnect Wi-Fi Direct**: Close a connection with a Wi-Fi Direct device.
   - **Wi-Fi Direct devices**: When Wi-Fi Direct is On, view available, nearby Wi-Fi Direct devices.

Mobile Hotspot

Use Mobile Hotspot to share your phone's internet connection with a PC or other device through Wi-Fi®. For more information about using your phone as a mobile hotspot, see *"Mobile Hotspot"* on page 86.

Note: Mobile Hotspot requires Mobile Hotspot service, available from Verizon Wireless. While the Mobile Hotspot is active, your phone's applications will use the Mobile Hotspot data feature allowance.

Turning Mobile Hotspot On or Off

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Mobile Hotspot**.
2. Touch **Mobile Hotspot** to turn Mobile Hotspot On or Off. When on, a check appears in the checkbox.

Note: Using your phone as a mobile hotspot consumes battery power and increases your data usage. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Mobile Hotspot Network Settings

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Mobile Hotspot** ➔ **Network settings**.
2. Touch **Configure** to configure your Mobile Hotspot:
   - **Automatic**: Automatically create an SSID and Key for your hotspot.
   - **Manual**: Configure your Mobile Hotspot.
     - **Network Name (SSID)**: View and edit your phone's name, used by other devices when connecting to your mobile hotspot.
     - **Broadcast SSID**: Enable to allow your device's Network Name (SSID) to be broadcast, so other devices can search for it. When enabled, a check appears in the checkbox. When disabled, your device is "hidden", and your hotspot can only be accessed by devices you specifically allow.
     - **Security**: Choose a security level.
     - **Password**: Touch to require a password to access your phone as a hotspot, and set a password.
     - **Show password**: Touch to enable display of your password in the Password field. When disabled, the password is not shown.
     - **Broadcast Channel**: Choose Auto to have the phone automatically choose a channel for broadcasting, or choose a channel.

Tip: By default, your phone's mobile hotspot password is your phone number.

3. Touch **Manage Devices** to view and manage devices you've allowed to connect to your Mobile Hotspot, then:
   - Touch **View Connected Devices** to see devices connected to your Mobile Hotspot.
   - Touch **Manage Allowed Devices** to manage a list of devices you will allow to connect to your mobile hotspot.
     - Touch **Allow all devices to connect** to allow any device to connect.
     - Touch **Add device** to enter the MAC address for a new device.
4. Touch **Battery Management** to choose a time period to have Mobile Hotspot remain on after you turn it on. If you choose Never Turn-Off, the hotspot remains on until you turn it off.

Note: Using your phone as a mobile hotspot consumes battery power and increases your data usage. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Bluetooth Settings

Your phone supports Bluetooth® 3.0.

Bluetooth profiles

Bluetooth® profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

- **Headset**: HSP 1.2 supports use of compatible Bluetooth headsets for mono voice.
- **Handsfree**: HFP v1.5 supports Bluetooth headsets, and may also support other compatible Bluetooth devices with speakerphone capabilities.
- **Serial Port**: SPP supports connection to certain other devices.
- **Stereo**: A2DP v1.2, AVRCP v1.0, GAVDP 1.2, AVCTP 1.0 and AVDTP 1.2 support delivery of stereo audio to compatible Bluetooth devices.
- **Object Exchange**: OPP v1.1 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices. PBAP v1.0 supports exchange of Phone Book Objects.
- **Human Interface Devices**: HID supports certain interface devices.

Note: This device does not support all Bluetooth profiles.

For vehicle/accessory compatibility, visit www.verizonwireless.com/bluetoothchart.

Turning Bluetooth On or Off

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Wireless & networks** →**Bluetooth settings**.
2. Touch **Bluetooth** to turn Bluetooth® On or Off. When on, a check appears in the checkbox.

Tip: You can quickly turn Bluetooth on or off in the Notifications panel. For more information, see *"Notification Panel"* on page 23.

Bluetooth settings

Manage Bluetooth® connections, set your device's name, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to configure Bluetooth settings.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔**Bluetooth settings**.
2. Touch a setting to configure Bluetooth:
   - **Bluetooth**: Touch to turn Bluetooth On or Off. When On, a check appears in the checkbox.
   - **Device Name**: Your device's default name appears on screen. Touch to change the device name. Available when Bluetooth is turned On.
   - **Discoverable**: Control your phone's visibility to other devices' Bluetooth searches. Touch to turn On or Off. Available when Bluetooth is turned On.
   - **Scan devices**: Touch to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, see *"Pairing with a Bluetooth Device"* on page 88.

Airplane mode

When airplane mode is turned on, all your phone's wireless connections are disabled, and you cannot make or receive calls or messages or connect to networks. While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or other applications.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks**.
2. Touch **Airplane mode** to turn Airplane mode On or Off. When On, a check appears in the checkbox.

Tip: You can quickly turn Airplane mode on or off in the **Notifications panel**. For more information, see *"Notification Panel"* on page 23.

Airplane mode is also available on the **Phone options** menu. From any screen, press and hold the **Power/Lock Key**, then select Airplane mode.

Internet connection mode

Use Internet connection mode to share your device's mobile data connection with another device that is "tethered" to your device via USB cable.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Internet connection mode**.
2. Connect the other device to the phone via USB cable.
3. Touch **Internet connection mode** to turn tethering On or Off. When On, a check appears in the checkbox.

Note: Touch **Help** for information about tethering.

VPN settings

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 91.

Adding a VPN

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
   - **Add PPTP VPN**: Set up a connection to a VPN with Point-to-Point tunneling protocol.
   - **Add L2TP VPN**: Set up a connection to a VPN with Layer 2 tunneling protocol.
   - **Add L2TP/IPSec PSK VPN**: Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
   - **Add L2TP/IPSec CRT VPN**: Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Mobile networks

Set options for network selection and data services while roaming.

Important!: Depending on your service plan, changes you make to Mobile networks settings may incur extra charges. Consult Verizon Wireless for more information.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Wireless & networks** → **Mobile networks**.
2. Set these options:
   - **Mobile data enabled**: Enable or disable your phone's connection to the mobile data network. When enabled, a check appears in the checkbox.
   - **Global Data Roaming Access**: Enable or disable connection to data services when your device is roaming on another network. For more information about roaming, see *"Roaming"* on page 12.
   - **Roaming**: View your phone's network status (not configurable).
   - **System selection**: Select the roaming mode for CDMA networks.
     - **LTE/CDMA**: Allow your phone to automatically access LTE data networks or CDMA networks.
     - **CDMA mode**:Choose **Home only** to restrict your phone to your provider's CDMA network, or choose **Automatic** to allow roaming to partner CDMA networks.

Call settings

Voicemail

Voicemail service

By default, calls you do not answer are sent to your carrier's voice mail system. If you subscribe to other voice mail services, you can set the default service.

- From the Home screen, press the **Menu Key**, then touch **Settings** → **Call settings** → **Voicemail service**.

Voicemail

By default, the speed dial number for calling your carrier's voice mail is *86. You can modify this to set a special speed dial number for accessing voice mail.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Call settings** → **Voicemail** → **Voicemail number**.
2. Use the touch keypad to modify the default voice mail number, or touch the contact icon to use a number stored as a contact record.

Other call settings

Ignore with message

Create messages to use when rejecting incoming calls. For more information, see *"Ignoring a call with a message"* on page 39.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings** ➔ **Ignore with message**.
2. Touch **Create**, then enter a text message and touch **Save**.
   - Touch an existing message to modify it.
   - To erase messages, press **Menu** ➔ **Delete**.

Answering mode

Set options for answering incoming calls.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings** ➔ **Answering mode**.
2. Configure options:
   - **Slide open**: When enabled, sliding the phone open automatically answers the phone, in speakerphone mode.
   - **Answering mode**: When enabled, your phone automatically answers incoming calls when a headset is connected.
   - **Automatic answering timer**: When using Answering mode, set a timer for a delay before automatically answering calls (this setting is only available when Answering mode is enabled).

Auto retry

When enabled, your phone will automatically try a call again, if it encounters a busy signal from the network.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings**
2. Touch **Auto retry** to enable or disable automatic call retry. When enabled, a check mark appears in the checkbox.

DTMF Tones

Set the length of DTMF (Dual Tone Multiple Frequency) tones that your phone sends. DTMF tones are used as input by some automated call systems.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings** ➔ **DTMF tones**.
2. Touch **Normal** or **Long**.

TTY Mode

When enabled, TTY Mode allows your phone to work with a TTY device attached to the Headset Jack. Before using your phone with a TTY device, you'll need to enable TTY Mode.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings** ➔ **TTY mode**.
2. Touch **TTY Off**, **TTY Full**, **TTY HCO**, or **TTY VCO**.

Voice privacy

When enabled, Voice privacy encrypts your voice calls for enhanced privacy.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings**.
2. Touch **Voice privacy** to enable or disable voice privacy. When enabled, a check mark appears in the check box.

Sound settings

General

Silent mode

Temporarily silence all the sounds your phone makes except for media playback and alarms. You can switch between your usual volume level and Silent mode, to quickly silence your phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Sound settings**.
2. Touch **Silent mode** to enable or disable silent mode. When enabled, a check mark appears in the check box.

Tip: You can quickly access Silent mode from the Phone options menu. From any screen, press and hold the **Power/Lock Key** to display **Phone options**, then select **Silent mode**.

Vibrate

When enabled, your phone vibrates to alert you to incoming calls or messages, regardless of the ringtone setting.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Sound settings**.
2. Touch **Vibrate** to choose a vibrate mode.

Note: The Vibrate setting is independent of other call sounds settings. For example, if you have Silent mode enabled with Vibrate, your phone won't play a ringtone, but will vibrate for an incoming call.

Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the **Volume Key**.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Sound settings** ➔ **Volume**.
2. Touch and drag the slider to set **Incoming call volume**.
3. Touch and drag the slider to set **Media volume**.
4. Touch and drag the slider to set **System volume**.
5. To set a level for notifications, touch **Use incoming call volume for notifications**, or touch and drag the slider to set a separate **Notification volume**.
6. Touch **OK** to save your setting.

Incoming calls

Phone ringtone

Choose a default ringtone for incoming calls.

Tip: You can also set songs as ringtones for all calls, or for a selected contact. For more information, see *"Setting a Song as a Ringtone"* on page 75.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound settings** → **Phone ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Notifications

Notification ringtone

Select a default ringtone for message, alarm, and other notifications.

Tip: You can also set songs as alarm tones. For more information, see *"Setting a Song as a Ringtone"* on page 75.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound settings** → **Notification ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Feedback

Audible touch tones

When enabled, tones play when you dial numbers on the Phone Keypad.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound settings**.
2. Touch **Audible touch tones** to enable or disable tones. When enabled, a check mark appears in the check box.

Audible selection

When enabled, tones play when you touch the screen for selections (other than the Phone Keypad).

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound settings**.
2. Touch **Audible selection** to enable or disable tones. When enabled, a check mark appears in the check box.

Screen lock sounds

When enabled, tones play when unlocking and locking the screen.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Sound settings**.
2. Touch **Screen lock sounds** to enable or disable tones. When enabled, a check mark appears in the check box.

Haptic feedback

When enabled, the phone vibrates to indicate screen touches and other interactions.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Sound settings**.
2. Touch **Haptic feedback** to enable or disable vibration. When enabled, a check mark appears in the check box.

Vibration intensity

Set the intensity of vibration for screen touch feedback.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Sound settings** ➔ **Vibration intensity**.
2. Touch and drag the slider to set Vibration intensity.
3. Touch **OK** to save your setting.

Emergency Tone

You can set your phone to play an alert tone or vibrate during an emergency call (for example, calls to 911).

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Sound settings** ➔ **Emergency tone**.
2. Touch **Alert** or **Vibrate**, or touch **Off** for no emergency tone.

Display settings

Font style

Set the font for screen displays.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Display settings**.
2. Touch **Font style** to choose a font style, or touch **Get fonts online** to browse and download a new font.

Brightness

Set the default screen brightness.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Display settings** ➔ **Brightness**.
2. Touch and drag the slider to set the brightness, or touch **Automatic brightness**.
3. Touch **OK** to save the setting.

Auto-rotate screen

When enabled, the screen's orientation changes automatically when you rotate the phone.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Display settings**.
2. Touch **Auto-rotate screen** to enable or disable automatic screen rotation. When enabled, a check mark displays.

Tip: You can also set Auto rotation on the Notifications panel. For more information, see *"Notification Panel"* on page 23.

Animation

Set the level of animations for transitions between screens.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Display settings** ➔ **Animation**.
2. Touch **No animation**, **Some animations**, or **All animations**.

Screen timeout

Set the length of delay between the last screen touch and the automatic screen timeout. When the screen times out, it dims, then locks.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Display settings** ➔ **Screen timeout**.
2. Touch a setting to select it.

Keypad timeout

Set the length of delay between the last key press and the automatic keypad timeout. When the keypad times out, the backlight goes off.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Display settings** ➔ **Keypad timeout**.
2. Touch a setting to select it.

Unlock screen

Choose the unlock screen for unlocking your phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Display settings** ➔ **Unlock screen**.
2. Touch an option to select it:
   - **Glass unlock**: Slide your finger across the screen to unlock.
   - **Puzzle unlock**: Touch and drag a puzzle piece into place to unlock.

Power saving mode

When enabled, your phone will automatically analyze the screen and adjust the brightness to conserve battery power.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Display settings**.
2. Touch **Power saving mode** to enable or disable the mode. When enabled, a check appears in the check box.

Power saving mode

Set power-saving actions, including turning off services, that the phone can take automatically to conserve power when battery power is low.

Turning Power saving mode On or off

Turn Power saving mode On to have the phone automatically switch to Power saving mode when battery power is low.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Power saving mode**.
2. Touch **Use power saving mode** to turn it On or Off. When On, a check appears in the check box.

Power saving settings

Configure settings for power saving mode.

Note: The **Use power saving mode option** must be turned **On** to access Power saving settings.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Power saving mode**.
2. Touch **Power saving settings** to configure:
   - **Power saving mode on**: Choose a battery level at which you want the phone to switch to Power saving mode.
   - **Turn off Bluetooth**: When On, the phone will automatically turn off Bluetooth when it switches to Power saving mode.
   - **Turn off GPS**: When On, the phone will automatically turn off GPS services when it switches to Power saving mode.
   - **Turn off Sync**: When On, the phone will automatically turn off automatic synchronization with accounts when it switches to Power saving mode.
   - **Brightness**: When On, the phone will automatically lower the screen's brightness when it switches to Power saving mode.
   - **Brightness**: Choose a brightness level for the phone to use when it switches to Power saving mode.
   - **Screen timeout**: Choose delay between the last screen touch and screen timeout after the phone switches to Power saving mode.

Power saving tips

View information about steps you can take to conserve battery power.

- From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Power saving mode** ➔ **Power saving tips**.

Location & security

Location settings control your device's use of GPS signals.

GPS signals may be affected by your surroundings, including the following:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

Important!: Verizon Wireless values your privacy. Because of this, by default your phone will only acquire your location when you dial 911. To use Location-Based Services, you must first enable location services on your phone.

My Location

E911

E911 location service is standard on all mobile phones, to allow sharing of your GPS location with emergency personnel when you make a call to emergency services (such as 911). This setting is not configurable.

▶ From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security** ➔ **E911**.

VZW location services

Enable or disable location service from Verizon Wireless.

Note: VZW location services must be enabled to use some applications.

Important!: By selecting **VZW location services**, you are enabling Verizon Wireless and third-party authenticated and validated location services to access certain location information available through this device and/or network.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **VZW location services** to enable or disable Verizon Wireless location services. When enabled, a check mark appears in the check box.

Standalone GPS services

Enable or disable location service from Standalone GPS services.

Note: Standalone location services must be enabled to use some applications.

You can also enable or disable Standalone GPS services from the Notifications panel. For more information, refer to *"Notification Panel"* on page 23.

Important!: By enabling Standalone GPS services, you are allowing access to all location information by any third party through web access, any software or peripheral components you choose to install, download, add, or attach to the device, or by any other means. Enabling this functionality could pose certain risks to users of this device.".

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Standalone GPS services** to enable or disable Standalone GPS services. When enabled, a check mark appears in the check box.

Google location services

Enable or disable location services from Google location services.

Note: Google location services must be enabled to use some applications.

Important!: By selecting **Google location services**, you are allowing access to all location information by Google through web access, by any software or peripheral components you choose to install, download, add or attach to the device, or by any other means. Enabling this functionality could pose certain risks to users of this device.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Google location services** to enable or disable Google location services. When enabled, a check mark appears in the check box.

Screen unlock settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Securing Your Phone"* on page 15.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Set screen lock**/**Change screen lock** for these settings:
   - **None**: Disable all custom screen lock settings, to use the default puzzle unlock screen.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **PIN**: Select a PIN to use for unlocking the screen.
   - **Password**: Create a password for unlocking the screen.
3. If you have set a screen unlock pattern, the **Use visible pattern** setting is available, to enable or disable visible patterns. When enabled, the path you trace will display as you draw your screen unlock pattern.
4. If you have set a Password or PIN screen lock, the **Use tactile feedback** is available to to enable or disable vibration feedback. When enabled, the phone will vibrate as you enter your password or PIN.
5. Touch **Disable debug mode** to enable or disable debug mode when the screen locks. This setting is automatically enabled when you enable device encryption.

SIM card lock

Set up SIM card lock

As a security measure, you can choose to require a PIN for access to SIM card information.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Set up SIM card lock** for these settings:
   - **Lock SIM card**: Enable to require a PIN be entered for access to SIM card information, then set the PIN.
   - **Change SIM PIN**: Enter a new PIN for accessing the SIM card.

Encryption

Encrypt SD Card

Use encryption to protect the information on an installed memory card.

Note: The Encrypt SD Card setting is only available if you have the Screen lock set to PIN or Password.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Encrypt SD Card** to use a PIN or password to secure information on the installed memory card.

Passwords

Visible passwords

When enabled, password characters will display briefly as you enter them.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Visible passwords** to enable or disable brief displays of password characters. When enabled, a check mark appears in the check box.

Device administration

Select device administrators

Some enterprise applications provide support for device administration, meaning a device administrator may have access to remotely access or affect your device. Use the Select device administrators setting to add or remove device administrator(s).

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Select device administrators**.

Credential storage

Use secure credentials

You can install credentials from an installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.

Note: You must have installed encrypted certificates from a memory card to use this feature.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Use secure credentials** to enable or disable. When enabled, a check mark appears in the check box.

Install encrypted certificates

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Install encrypted certificates from SD card**, then choose a certificate and follow the prompts to install.

Set password

Set or change a password to protect credentials.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Set password**, then follow the prompts.

Clear storage

Clear stored credentials and reset the password.

Note: This setting only appears if you have installed encrypted certificates.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Clear storage** to clear stored credentials and reset the password.

Applications

You can download and install applications from Android Market, or create applications using the Android SDK and install them on your phone. Use Applications settings to manage applications on your phone.

Warning!: Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Unknown sources

When enabled, allows installation of applications from sources other than the Android Market.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Applications**.
2. Touch **Unknown sources** to enable or disable the setting. When enabled, a check mark appears in the check box.

Quick launch

Quick launch shortcuts are available on the QWERTY keyboard, to quickly launch applications by pressing and holding the **Search Key** followed by a letter or number.

You can configure Quick launch shortcuts to your favorite applications.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Applications** → **Quick launch**.
2. Touch a shortcut, then select an application to assign to the shortcut.

Note: Quick launch shortcuts can only be used from the QWERTY keyboard.

Manage applications

Manage and remove applications from your phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications** ➔ **Manage applications**.
2. Applications display on the **Downloaded**, **All**, **On SD card**, and **Running** tabs. Touch a tab header to switch tabs.
3. Touch an application to view and update information about the application, including these options:
   - **Force stop**: Close the application manually.
   - **Uninstall/Uninstall updates**: Remove the application from the phone (for appliciations you have installed), or remove updates.
   - **Clear data/Clear cache**: Delete application data.
   - **Move to USB storage/Move to phone**: Move the application between the SD card and the phone memory.

Running services

View and control services running on your phone.

Warning!: Not all services can be stopped, and stopping services may have undesirable consequences on the application or Android System.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications** ➔ **Running services**.
2. To stop a service, touch the service, then touch **Stop** at the confirmation prompt.

Memory usage

View memory usage by installed applications.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications**.
2. Touch **Memory usage** to view information about storage space used by applications.

Battery use

See what is using battery power.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Applications**.
2. Touch **Battery use** to view information about what's using battery power, and the total time the device has been running on battery power.

Development

Set options for application development.

USB debugging

When enabled, allows debugging when the phone is attached to a PC by a USB cable.

Note: This setting is used for development purposes.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Applications** → **Development**.
2. Touch **USB debugging** to enable or disable the setting. When enabled, a check mark appears in the check box.

Allow mock locations

This setting is used by developers when developing location-based applications.

Note: This setting is used for development purposes.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Applications** → **Development**.
2. Touch **Allow mock locations** to enable or disable the setting. When enabled, a check mark appears in the box.

Accounts & sync

Set up and manage accounts, including your Google and Backup Assistant accounts.

General sync settings

Background data

When enabled, all accounts can sync, send, and receive data at any time, in the background.

Important!: Disabling background data can extend battery life and lower data use. Some applications may still use the background data connection, even if this setting is disabled.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch **Background data** to enable or disable the setting. When enabled, a check mark appears in the check box.

Auto-sync

When enabled, all accounts sync data at any time, automatically.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch **Auto-sync** to enable or disable the setting. When enabled, a check mark appears in the check box.

Backup Assistant

Backup Assistant is a free wireless service that saves a copy of your Contacts to a secure web site. If your phone is lost, stolen or damaged, Backup Assistant can restore your saved contacts to a new phone, wirelessly. You can schedule backups to save your information manually or automatically. Log in to your web account for full access to your contacts for viewing, printing, adding, deleting and editing.

Note: Subject to specific terms of use. Results may vary based on backup schedule and other factors.

See www.verizonwireless.com/backupassistant for more details.

▶ From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync** ➔ **Backup Assistant**.

Tip: You can also launch Backup Assistant from **Contacts**. From Contacts, press the **Menu Key**, then touch **Backup**.

Manage accounts

Use Manage accounts to set up and configure your accounts.

Note: Available settings depend on the type of account. Not all settings are available for all accounts.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync**.
2. Under **Manage accounts**, touch the account to modify its settings.

Tip: For more information about managing accounts, see *"Setting Up Accounts"* on page 43.

Adding an account

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync**.
2. Under **Manage accounts**, touch **Add account** and follow the prompts to enter your credentials and set up the account.

Tip: For more information about adding accounts, see *"Setting Up Accounts"* on page 43.

Removing an account

Important!: Removing an account also deletes all of its messages, contacts and other data from the phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync**.
2. Touch an account to display its settings.
3. Touch **Remove account**, then follow the prompts to remove the account and delete all its messages, contacts and other data.

Privacy

Use Privacy settings to manage use of personal information by your phone.

Mobile backup and restore

Back up my data

Enable or disable backup of your current settings and application data to the Google server. Data stored with Google can be restored to another device, for example if you purchase a new phone or tablet.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Privacy**.
2. Touch **Back up my data** to enable or disable backup of data to the Google server.

Automatic restore

When enabled, Automatic restore will restore backed-up settings when you reinstall an application.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Privacy**.
2. Touch **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Personal Data

Factory data reset

Use Factory data reset to return your phone to its factory defaults. This setting erases all data from your phone, including your Google or other email account settings, system and application data and settings, and downloaded applications. It will not erase current system software and bundled applications, or files stored on an installed memory card, such as music or photos.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Privacy**.
2. Touch **Factory data reset**, then follow the prompts to perform the reset.

SD card & phone storage

Manage the use of memory resources in your phone's internal memory, and on an installed memory card.

SD card

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **SD card & phone storage**.
2. View **Total space** and **Available space** memory usage on an installed memory card (not user-configurable).
3. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, see *"Removing a Memory Card"* on page 14.
4. Touch **Format SD card** to erase the memory card and prepare it for use with your phone. For more information, see *"Formatting a Memory Card"* on page 90.

System storage

View memory usage for your phone's 4GB internal memory.

Note: This setting cannot be configured.

▶ From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **SD card & phone storage**.

USB Settings

You can choose how your phone responds when you connect it to a PC by USB cable: Mass storage mode, ready for transferring files, Internet connection mode, to allow another device to use the phone's data connection, or Ask on plug, to give you the opportunity to set each connection.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **USB settings**.
2. Choose a setting:
   - **Ask on plug**: When you connect your phone to a PC by USB cable, you'll be prompted to choose a USB connection mode.
   - **USB mode**:
     - **Mass storage mode**: When connected, your phone is treated as a mass storage device for transferring information. For more information, see *"Transferring Files to a Memory Card"* on page 90.
     - **Internet connection mode**: When connected, your phone allows the connected PC to use its mobile data network connection. For more information, see *"Internet connection mode"* on page 112.

Search

Use Search settings to configure Google Search.

Web

Configure settings for web searches.

Google search

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Search** → **Google search**.
2. Touch **Show web suggestions** to enable or disable display of suggestions from Google as you type search criteria.
3. Touch **Use My Location** to enable or disable to customized Google search results and other Google services based on your location information.
4. Touch **Search history** to enable or disable saving of search criteria and results.
5. Touch **Manage search history** to configure settings for search history.

Phone

Configure settings for searching content on your device.

Searchable items

Choose items on your phone to be included in Google searches.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Search** → **Searchable items**.
2. Touch items to enable or disable searching. When enabled, a check mark appears in the check box.

Clear shortcuts

When you search and choose a search result, the result is saved as a search shortcut. This setting clears recent search shortcuts.

- From the Home screen, press the **Menu Key**, then touch **Settings** → **Search** → **Clear shortcuts**.

Language & keyboard

Select locale

Set the language used by your phone's screens.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** ➔ **Select locale**.
2. Touch a language/locale from the list.

User dictionary

Add and remove words from your personal dictionary. Words from the user dictionary are used when you enable the word suggestion or predictive text features during text entry.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** ➔ **User dictionary**.
2. To add a word, press the **Menu Key** ➔ **Add**.
3. To edit an existing word, touch and hold on the word, then select **Edit**.
4. To delete a word, touch and hold on the word, then select **Delete**.

Select input method

Choose the default method for entering text. This method will be offered when you touch a text field, plus you can select another available input method by touching and holding on a text field.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard**.
2. Touch **Select input method** to select a default text entry mode.

Swype

Configure Swype settings. Swype is a new way to enter text by gliding your finger over the characters on the keyboard. For more information, see *"Entering Text Using Swype"* on page 56.

Turning Swype On or Off

When Swype is turned On, it is available as an input method when you touch and hold on text field to select an input method.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard**.
2. Touch **Swype** to turn Swype On or Off. When On, a check appears in the checkbox.

Swype settings

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** ➔ **Swype**.
2. Touch items to configure the setting. Settings include:
   - **Preferences**:
     - **Language**: Choose a language for use in Swype.
     - **Audio Feedback**: When enabled, plays sounds as you enter text.
     - **Vibrate on keypress**: When enabled, the phone vibrates on text entry.
   - **Swype Advanced settings**:
     - **Word suggestion**: When enabled, predicts matching words as you enter text.
     - **Auto-spacing**: When enabled, inserts spaces automatically when you pause while entering text.
     - **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
     - **Show complete trace**: Enable or disable display of the Swype path as you draw it.
     - **Speed vs. accuracy**: Set the sensitivity of Swype text recognition.
   - **Help**:
     - **Swype Help**: View the Swype User Manual.
     - **Tutorial**: View a tutorial for learning how to Swype.
   - **About**:
     - **Version**: View the current Swype software version.

Samsung keypad

Turning Samsung keypad On or Off

When Samsung keypad is turned On, it is available as an input method when you touch and hold on text field to select an input method.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** .
2. Touch **Samsung keypad** to turn Samsung keypad On or Off. When On, a check appears in the checkbox.

Samsung keypad settings

Configure Samsung keypad settings. For more information, see *"Entering Text Using the Samsung Keypad"* on page 58.

1. From the Home screen, press the **Menu Key**, then touch **Settings → Language & keyboard → Samsung keypad**.
2. Touch items to enable or disable these settings:
   - **Portrait keypad types**: Choose the default keypad when the screen is in portrait mode.
   - **Input language**: Select languages for the Samsung keypad.

Tip: When you have more than one language selected, you can slide your finger on the space bar while entering text to switch languages.

   - **XT9**: Enable XT9 predictive text, to have XT9 suggest words matching your text entries, and optionally, complete common words automatically.
   - **XT9 advanced settings**: When XT9 is enabled, set options:
     - **Word completion**: Enable for XT9 to automatically complete words matching your text entries.
     - **Word completion point**: Choose the number of letters XT9 will use to predict words for automatic completion.
     - **Spell correction**: Enable for automatic spelling check and correction.
     - **Next word prediction**: When enabled, the system predicts the next word based on common usage patterns.
     - **Auto-append**: When enabled, the most common predicted word is automatically added to your text.
     - **Auto-substitution**: When enabled, XT9 automatically replaces words you enter with words from the XT9 autosubstitution list.
     - **Regional correction**: When enabled, XT9 automatically changes the spelling of words based on norms for your locale.
     - **Recapture**: When enabled, XT9 re-displays matching words when you make corrections to a word inserted automatically.
     - **XT9 my words**: Add words to your XT9 predictive text dictionary.
     - **XT9 auto-substitution**: Manage the list of words XT9 uses for auto-substitution.
   - **Keypad sweeping**: When enabled, you can sweep your finger over keypad letters to enter words. When you lift your finger, a word matching your sweep is entered automatically.
   - **Auto-capitalization**: Enable to have XT9 automatically capitalize words in your text based on common usage, such as at the beginning of sentences.
   - **Voice input**: Enable to allow text entry by speaking the words, using Google's networked speech recognition feature.
   - **Auto-full stop**: Enable for automatic insertion of a "full stop" (period and space to end a sentence) when you tap the space bar twice.
   - **Tutorial**: View help with using Samsung keypad and XT9 predictive text.

Android keyboard

Turning Android keyboard On or Off

When Android keyboard is turned On, it is available as an input method when you touch and hold on text field to select an input method.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** .
2. Touch **Android keyboard** to turn Android keyboard On or Off. When On, a check appears in the checkbox.

Android keyboard settings

Configure Android keyboard settings. For more information, see *"Entering Text Using the Android Keyboard"* on page 59.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** ➔ **Android keyboard**.
2. Configure these settings:
   - **Vibrate on keypress**: Enable to have the phone vibrate each time you press a key.
   - **Sound on keypress**: Enable to have the phone play a sound each time you press a key.
   - **Popup on keypress**: Enable to have the character appear each time you press a key.
   - **Touch to correct words**: Enable to allow touching a word that you've entered to correct it.
   - **Auto-capitalization**: Enable to allow Android keyboard to automatically capitalize words that are typically capitalized.
   - **Show settings key**: Choose whether the settings key displays on the keyboard, to allow you to access Android keyboard settings while entering text.
   - **Voice input**: Choose whether the Voice input key appears on the keyboard, to allow you to switch to Voice input while entering text.
   - **Input languages**: Choose languages to be available on the keyboard. While entering text, you can slide your finger across the space key to switch languages.
   - **Quick fixes**: Enable to have Android keyboard automatically correct common typing mistakes.
   - **Show suggestions**: Enable to have Android keyboard display words matching your key presses, with the most common word highlighted. As you enter text, you can touch a suggested word to insert it.
   - **Auto-complete**: When enabled, works with Android keyboard to automatically enter the highlighted word suggestion when you touch the spacebar or punctuation symbol. Only available when Show suggestions is enabled.

Device keyboard

Built-in keyboard settings

Configure settings for the slide-out QWERTY keyboard.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** ➔ **Device keyboard**.
2. Configure these settings:
   - **Auto-replace**: Enable to have the keyboard automatically correct commonly mis-typed words.
   - **Auto-cap**: Enable to automatically capitalize the first word in sentences (after a period).
   - **Auto-punctuate**: Enable to allow the automatic insertion of punctuation when you press the space key twice.

Voice input & output

Use Voice input and output settings to customize your device's voice recognition feature, and audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

Voice input

Voice recognition settings

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Voice input & output**.
2. Touch **Voice recognition settings** to configure:
   - **Language**: Choose a language for your voice input.
   - **SafeSearch**: Set the sensitivity for filtering of explicit images from the results of your voice-input Google searches.
   - **Block offensive words**: Enable or disable blocking of recognized offensive words from your voice-input Google search results
   - **Personalized recognition**: Enable or disable adaptation of speech recognition using your voice. Recordings of your voice may be stored with your Google Account information for this purpose.
   - **Google Account dashboard**: Manage data collected and stored with your Google account.

Voice output

Text-to-speech settings

Text-to-speech provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Voice Input & output** ➔ **Text-to-speech settings**.
2. Touch a setting to configure:
   - **Text-to-speech settings**
     - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
     - **Driving mode**: When enabled, incoming calls and new notifications are automatically read out to you.
     - **Always use my settings**: When enabled, settings you make override the application's default settings.
   - **Default settings**
     - **Default engine**: Choose the default text-to-speech engine application.
     - **Install voice data**: Download and install the speech synthesis data needed to activate Text-to-speech from Android Market (free).
     - **Speech rate**: Set the speed at which text is spoken.
     - **Language**: Set a language-specific voice for spoken text.
   - **Engines**
     - **Pico TTS**: Configure Pico TTS settings.

Accessibility

Accessibility services are special features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accessibility**.
2. Touch **Accessibility** to activate or deactivate accessibility services. When activated, a check appears in the box.

Accessibility services

Enable or disable accessibility services.

Note: You must activate the **Accessibility services** setting before enabling services.

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1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accessibility**.
2. Touch a service to enable or disable the service. When enabled, a check mark appears in the check box:
   - **TalkBack**: When enabled, recites menu options, application titles, contacts, and other items when scrolling and making selections.
   - **KickBack**: When enabled, vibrates for touch actions.
   - **SoundBack**: When enabled, plays tones for touch actions.

The power key ends calls

Use the Power key ends calls setting to enable ending voice calls by pressing the **Power/Lock Key**.

When this option is enabled, pressing the **Power/Lock Key** during a call does not lock the screen.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accessibility**.
2. Touch **The power key ends calls** to enable or disable the setting. When enabled, a check mark appears in the check box.

Dock settings

Configure your phone's behavior when it is connected to an optional dock (not included).

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Dock settings**.
2. Configure these settings:
   - **Auto launch**: Choose whether Desk or Car home mode launches when you dock the phone into an optional dock (not included).
   - **Audio output mode**: When enabled, audio will play from external speakers when the phone is docked.

Date & time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Date & time**.
2. Touch a setting to configure:
   - **Automatic**: Touch to enable or disable automatic date and time updates from the wireless network. When enabled, a check appears in the check box.
   - **Set date**: Enter the current date (only available when the Automatic setting is disabled).
   - **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
   - **Set time**: Enter the current time (only available when the Automatic setting is disabled).
   - **Use 24-hour format**: Set the format for time displays.
   - **Select date format**: Set the format for date displays.

About phone

View information about your phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **About phone**.
2. Touch items to view details:
   - **System updates**: Check availability and install updates.
   - **Status**: View Battery status, Battery level, IMEI, MEID, SIM ID, IMSI, Phone number, MIN, PRL version, ERI version, Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, Wi-Fi MAC address, Bluetooth address, and Up time.
   - **Battery use**: Display the processes and applications that are currently running. Touch an item to view details.
   - **Legal information**: Display open source licenses, configure license settings, including your DivX® VOD registration and DRM licenses, and view Google legal info.
   - **System tutorial**: View a tutorial to help you learn how to use your phone. Follow the prompts to move through the tutorial topics.
   - **Hardware version**: Display the hardware version of your phone.
   - **Model number**: Display your phone's model number.
   - **Firmware version**: Display the firmware version of your phone.
   - **Baseband version**: Display the baseband version of your phone.
   - **Kernel version**: Display the kernel version of your phone.
   - **Build number**: Display your phone's build number.

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://com.iarc.fr/en/media-centre/pr/.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported in the FCC authorization grant are:

- Head: 0.45 W/Kg
- Body-worn: 1.15 W/Kg
- Product Specific Use: 1.15 W/Kg
- Simultaneous transmission: 1.57 W/Kg

SAR information on this and other model phones can be viewed online at http://www.fcc.gov/oet/ea. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important!: Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important!: Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

Warning!: Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning!: Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty” on page see *“Standard Limited Warranty”* on page 165.

GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation data may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. Therefore, **you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs**.

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances. Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Touch to place the call.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless mobile devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless mobile devices be compatible with hearing aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities. While some wireless mobile devices are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to

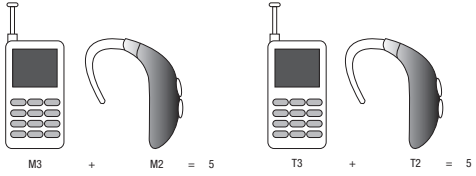
use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless mobile device rating values are then added together.

A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



If a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless mobile device.

“Normal usage” in this context is defined as a signal quality that is acceptable for normal operation. The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC/Wi-Fi for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are

broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address. To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability.

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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